

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2017 Levee Inspection Results

Reclamation District No. 0150 Merrit Island

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Reclamation District No. 0150 Merrit Island

Waterway			Bank	Unit Miles
Unit No. 01 Sutter Slough			Left	0.52
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/29/2017 - 3/29/2017			
DWR Inspector	Pavel Kazi			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Slough	Left	0.52	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD0150_01_s _ 2013_4				
Comment Code					
Inspector Comment					
This LMA has the updated O&M manuals for their district.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD0150_01_s _ 2013_5				
Comment Code					
Inspector Comment					
This LMA has adequate amount of flood fighting materials in a centralized location.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD0150_01_s _ 2013_6				
Comment Code					
Inspector Comment					
The crew of this LMA had flood fighting training from DWR.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Slough	Left	0.52	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.02	Rating **	M	Issue No.	1
LM End	0.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.332523 °	38.328236 °
				-121.583140 °	-121.576547 °
DWR ID	DWR_RD0150_01_s_2017_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_15_1_20170405_00005.jpg



View of vegetation on the waterside slope of the levee.

LM Start	0.02	Rating **	M	Issue No.	8
LM End	0.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.332520 °	38.328236 °
				-121.583139 °	-121.576547 °
DWR ID	DWR_RD0150_01_s_2017_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_15_8_20170405_00006.jpg



View of vegetation on the landside slope of the levee.

LM Start	0.19	Rating **	A/W	Issue No.	3
LM End	0.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.331402 °	38.331402 °
				-121.580358 °	-121.580358 °
DWR ID	DWR_RD0150_01_s_2012_3				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry is trimmed and levee slope is accessible.					

Photo 1 of 1 : SP_2017_RD0150_15_3_20170327_00003.jpg



View of the elderberry on the landside toe of the levee. The elderberry doesn't block visibility and it is trimmed up 5 feet above the slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Slough	Left	0.52	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.44	Rating **	M	Issue No.	2
LM End	0.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.328555 °	38.328020 °
				-121.577544 °	-121.576693 °
DWR ID	DWR_RD0150_01_s_2016_2				
Comment Code					
Inspector Comment					
2013 - Old toe repair unraveling. Bridge at upstream end of site. 2015: No observed changes. [2015 Site ID: STR_28-4_R]					

Photo 1 of 2 : SP_2017_RD0150_15_2_20170327_00001.jpg



USACE 2013 Photo #1

LM Start	0.44	Rating **	M	Issue No.	2 (cont)
LM End	0.49	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2017_RD0150_15_2_20170327_00002.jpg



USACE 2013 Photo #2

LM Start	0.49	Rating **	C	Issue No.	7
LM End	0.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.328256 °	38.328256 °
				-121.576637 °	-121.576637 °
DWR ID	DWR_RD0150_01_f_2016_7				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Reclamation District No. 0150 Merrit Island

Waterway			Bank	Unit Miles
Unit No. 02 Sacramento River			Right	7.81
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/29/2017 - 3/29/2017			
DWR Inspector	Pavel Kazi			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
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The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.04	Rating **	M	Issue No.	68
LM End	3.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.328568 °	38.357703 °
				-121.575827 °	-121.528231 °
DWR ID	DWR_RD0150_02_s_2017_68				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.14	Rating **	A/W	Issue No.	5
LM End	4.77	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.329782 °	38.374641 °
				-121.574769 °	-121.524730 °
DWR ID	DWR_RD0150_02_s_2012_5				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_5_20170327_00002.jpg



View of the re-vegetation sign.

LM Start	0.16	Rating **	U	Issue No.	49
LM End	0.16	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.330047 °	38.330047 °
				-121.574538 °	-121.574538 °
DWR ID	DWR_RD0150_02_s_2012_49				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_49_20170327_00024.jpg



Building located on waterside of levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.17	Rating **	M	Issue No.	990
LM End	0.21	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.330173 °	38.330576 °
				-121.574490 °	-121.574093 °
DWR ID	DWR_RD0150_02_s_2012_990				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_990_20170327_00058.jpg



Landscaping was found on the landside of the levee looking upstream.

LM Start	0.23	Rating **	M	Issue No.	991
LM End	0.23	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.330888 °	38.330888 °
				-121.573769 °	-121.573769 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42700 DS_ID:22416 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly.- Dense vegetation on waterside.- Seems abandoned pipe and pump. FIELD_STRUCT_DESC: Abandoned 10-inch steel pipe through the levee, 2.8 feet below the crown. Pump on landside. Concrete box on landside. O&M Manual SAC 112, March 1957. FS Date: 8/27/2013					

Photo 1 of 3 : UCIP_SP_2017_42700_34247.jpg



WS view: No pipe found on waterside slope. Dense vegetation on waterside.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.23	Rating **	M	Issue No.	991 (cont)	
LM End	0.23	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.330888 °	38.330888 °	
				-121.573769 °	-121.573769 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:42700						
DS_ID:22416						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Appears abandoned and if so should be done so properly.- Dense vegetation on waterside.- Seems abandoned pipe and pump.						
FIELD_STRUCT_DESC: Abandoned 10-inch steel pipe through the levee, 2.8 feet below the crown. Pump on landside. Concrete box on landside. O&M Manual SAC 112, March 1957.						
FS Date: 8/27/2013						

Photo 2 of 3 : UCIP_SP_2017_42700_34246.jpg



LS view: abandoned pipe and pump on landside toe.

LM Start	0.23	Rating **	M	Issue No.	991 (cont)
LM End	0.23	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_42700_34245.jpg



LS view: abandoned pipe and concrete box on landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.25	Rating **	U	Issue No.	4
LM End	0.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.331035 °	38.331035 °
				-121.573502 °	-121.573502 °
DWR ID	DWR_RD0150_02_s_2012_4				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_4_20170327_00001.jpg



Landscaping on landward slope of the levee.

LM Start	0.34	Rating **	M	Issue No.	9
LM End	0.34	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.332156 °	38.332156 °
				-121.572580 °	-121.572580 °
DWR ID	DWR_RD0150_02_s_2012_9				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_9_20170327_00006.jpg



Fence was found on the landside of the levee looking upstream.

LM Start	0.38	Rating **	M	Issue No.	6
LM End	0.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.332598 °	38.332598 °
				-121.572179 °	-121.572179 °
DWR ID	DWR_RD0150_02_s_2012_6				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD0150_16_6_20170327_00003.jpg



Updated view of the slope instability on the waterside of the levee. Fall 2016

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.38	Rating **	M	Issue No.	6 (cont)	
LM End	0.38	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Slope Stability			38.332598 °	38.332598 °	
				-121.572179 °	-121.572179 °	
DWR ID	DWR_RD0150_02_s_2012_6					
Comment Code						
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comment						

Photo 2 of 2 : SP_2017_RD0150_16_6_20170327_00004.jpg



Updated photo of the slope instability on the waterside of the levee looking upstream during spring 2014 inspection.

LM Start	0.38	Rating **	M	Issue No.	13
LM End	0.38	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.332647 °	38.332647 °
				-121.572140 °	-121.572140 °
DWR ID	DWR_RD0150_02_s_2012_13				
Comment Code					
ST : Stairway					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_13_20170327_00009.jpg



A stairway was found on the waterside of the levee. The picture was taken from the crown looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.39	Rating **	M	Issue No.	992
LM End	0.39	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.332670 °	38.332670 °
				-121.572132 °	-121.572132 °

Comment Code

Inspector Comment

FS_ID:20268
DS_ID:22417
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: - Water leaks from pressure breaker.- Distribution box at the landward toe not found/visible.- Service pole on LS toe.
FIELD_STRUCT_DESC: 4-inch steel pipe joined to 6-inch steel pipe and the 6-inch pipe joined to 10-inch steel pipe through the levee, 5.8 feet below the crown. 1.5-inch conduit through the levee, 3 feet below the crown. Pump and gate valve on the waterward slope. (Runyon).
FS Date: 8/27/2013

LM Start	0.39	Rating **	M	Issue No.	992 (cont)
LM End	0.39	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_20268_34244.jpg



WS view: walkway/stairs, pump on levee slope.

Photo 2 of 3 : UCIP_SP_2017_20268_34243.jpg



WS view: pump, electric control box, electric conduit on concrete pad.
Water leaks from pressure breaker.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.39	Rating **	M	Issue No.	992 (cont)	
LM End	0.39	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.332670 °	38.332670 °	
				-121.572132 °	-121.572132 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20268						
DS_ID:22417						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - Water leaks from pressure breaker.- Distribution box at the landward toe not found/visible.- Service pole on LS toe.						
FIELD_STRUCT_DESC: 4-inch steel pipe joined to 6-inch steel pipe and the 6-inch ppipe joined to 10-inch steel pipe through the levee, 5.8 feet below the crown. 1.5-inch conduit through the levee, 3 feet below the crown. Pump and gate valve on the waterward slope. (Runyon).						
FS Date: 8/27/2013						

Photo 3 of 3 : UCIP_SP_2017_20268_34242.jpg



LS view: distribution box not found/visible on levee toe.

LM Start	0.46	Rating **	M	Issue No.	993
LM End	0.46	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.333527 °	38.333527 °
				-121.571274 °	-121.571274 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20267					
DS_ID:22418					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - Abandoned pipe and pump.- Needs proper abandonment.					
FIELD_STRUCT_DESC: 6-inch steel pipe and 1-inch conduit through the levee, 3.5 feet below crown, pump and gate valve on the waterward slope. Electric box on waterside slope. O&M Manual SAC 112, March 1957.					
FS Date: 8/27/2013					

Photo 1 of 3 : UCIP_SP_2017_20267_34239.jpg



WS view: steel pipe and pump on levee slope. Dense vegetation on waterside.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.46	Rating **	M	Issue No.	993 (cont)	
LM End	0.46	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.333527 °		38.333527 °
				-121.571274 °		-121.571274 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20267						
DS_ID:22418						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - Abandoned pipe and pump.- Needs proper abandonment.						
FIELD_STRUCT_DESC: 6-inch steel pipe and 1-inch conduit through the levee, 3.5 feet below crown, pump and gate valve on the waterward slope. Electric box on waterside slope. O&M Manual SAC 112, March 1957.						
FS Date: 8/27/2013						

LM Start	0.46	Rating **	M	Issue No.	993 (cont)
LM End	0.46	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_20267_34238.jpg



WS view: steel pipe and pump on concrete pad. Seems abandoned.

Photo 3 of 3 : UCIP_SP_2017_20267_34237.jpg



WS view: steel pipe, gate valve, and pump on levee slope. Seems abandoned.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.48	Rating **	M	Issue No.	994
LM End	0.48	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.333754 °	38.333754 °
				-121.571018 °	-121.571018 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:20284
DS_ID:22419
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Needs proper abandonment.
FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 5.7 feet below the crown. Power line on landside.(Mrs. J. Olson) O&M Manual SAC 112, March 1957.
FS Date: 8/27/2013

LM Start	0.48	Rating **	M	Issue No.	994 (cont)
LM End	0.48	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2017_20284_34265.jpg



WS view: abandoned pump on levee slope. Dense vegetation on waterside.

Photo 2 of 2 : UCIP_SP_2017_20284_34264.jpg



LS view: exposed steel pipe and power pole on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.53	Rating **	N	Issue No.	66	
LM End	0.53	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.334318 °		38.334318 °
				-121.570349 °		-121.570349 °
DWR ID	DWR_RD0150_02_f_2016_66					
Comment Code						
T5 : Tree stumps.						
Inspector Comment						

No Photos

LM Start	0.56	Rating **	C	Issue No.	57
LM End	0.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.334525 °	38.334525 °
				-121.570025 °	-121.570025 °
DWR ID	DWR_RD0150_02_s_2016_57				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.70	Rating **	M	Issue No.	995
LM End	0.70	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.336183 °	38.336183 °
				-121.568383 °	-121.568383 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20303 DS_ID:22421 EP_NO: 16109 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - 10" steel pipe on both sides of the levee. According to permit and inspectors note- 16" steel pipe through the levee.- concrete standpipe inside water filtration plant on landside toe.- air pressure tank on waterside steel deck. FIELD_STRUCT_DESC: 16 inch steel pipe and 2-inch conduit through the levee, 6.2 feet below the crown, slant pump on steel platform on the waterward slope. 4-inch abandoned pipe on the waterside slope. Concrete stand pipe and power pole at landside toe. (App. No. 18258, Wilson 2007) O&M Manual SAC 112, March 1957. FS Date: 8/27/2013					

LM Start	0.70	Rating **	M	Issue No.	995 (cont)
LM End	0.70	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_20303_34287.jpg



WS view: slant pump on steel deck, 4-inch pipe (left) and 10-inch pipe (right) on levee slope.

Photo 2 of 3 : UCIP_SP_2017_20303_34286.jpg



WS view: steel pipes and leaky slant pump on steel deck.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.70	Rating **	M	Issue No.	995 (cont)	
LM End	0.70	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.336183 °	38.336183 °	
				-121.568383 °	-121.568383 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20303						
DS_ID:22421						
EP_NO: 16109						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - 10" steel pipe on both sides of the levee. According to permit and inspectors note- 16" steel pipe through the levee.- concrete standpipe inside water filtration plant on landside toe.- air pressure tank on waterside steel deck.						
FIELD_STRUCT_DESC: 16 inch steel pipe and 2-inch conduit through the levee, 6.2 feet below the crown, slant pump on steel platform on the waterward slope. 4-inch abandoned pipe on the waterside slope.						
Concrete stand pipe and power pole at landside toe. (App. No. 18258, Wilson 2007) O&M Manual SAC 112, March 1957.						
FS Date: 8/27/2013						

Photo 3 of 3 : UCIP_SP_2017_20303_34285.jpg



LS view: 10-inch pipe and air vent on levee slope. Concrete standpipe inside water filtration plant.

LM Start	0.71	Rating **	M	Issue No.	10
LM End	0.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.336228 °	38.336228 °
				-121.568332 °	-121.568332 °
DWR ID	DWR_RD0150_02_s_2013_10				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_10_20170327_00007.jpg



Debris was found on the waterside slope of the levee looking downstream during Spring 2013 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.71	Rating **	M	Issue No.	59
LM End	0.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.336291 °	38.336291 °
				-121.568260 °	-121.568260 °
DWR ID	DWR_RD0150_02_s_2016_59				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Damaged tree roots and trunks appear to damage landside slope of the levee.					

Photo 1 of 2 : SP_2017_RD0150_16_59_20170327_00032.jpg



Updated picture of the tree limbs and roots on the landside of the levee looking downstream. Fall 2016

LM Start	0.71	Rating **	M	Issue No.	59 (cont)
LM End	0.71	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_RD0150_16_59_20170327_00033.jpg



View of tree trunks and roots on the landside of the levee looking upstream.

LM Start	0.72	Rating **	M	Issue No.	71
LM End	0.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.336392 °	38.336392 °
				-121.568311 °	-121.568311 °
DWR ID	DWR_RD0150_02_s_2017_71				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.97	Rating **	M	Issue No.	12
LM End	0.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.339035 °	38.339035 °
				-121.565145 °	-121.565145 °
DWR ID	DWR_RD0150_02_s_2012_12				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_12_20170327_00008.jpg



Overgrown trees were obstructing the landside slope of the levee looking upstream.

LM Start	1.14	Rating **	N	Issue No.	8
LM End	1.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.340864 °	38.340864 °
				-121.562915 °	-121.562915 °
DWR ID	DWR_RD0150_02_s_2012_8				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_8_20170327_00005.jpg



View of a tree stump on the landward slope.

LM Start	1.26	Rating **	M	Issue No.	92
LM End	1.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.342229 °	38.342229 °
				-121.561694 °	-121.561694 °
DWR ID	DWR_RD0150_02_s_2012_92				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	1.32	Rating **	U	Issue No.	91
LM End	1.34	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.342969 °	38.343252 °
				-121.561196 °	-121.560794 °
DWR ID	DWR_RD0150_02_s_2012_91				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD0150_16_91_20170327_00048.jpg



Landscaping was obstructing the view of the landside slope of the levee looking downstream. This picture was taken during spring 2013 inspection.

LM Start	1.32	Rating **	U	Issue No.	91 (cont)
LM End	1.34	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2017_RD0150_16_91_20170327_00049.jpg



Landscaping was found landside of the levee looking upstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	1.34	Rating **	M	Issue No.	996
LM End	1.34	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.343136 °	38.343136 °
				-121.560868 °	-121.560868 °
DWR ID					

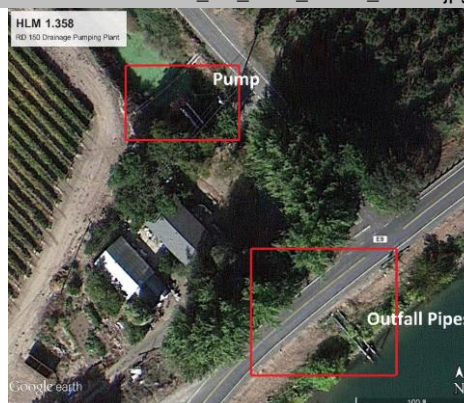
Comment Code

Inspector Comment

FS_ID:20727
DS_ID:22393
EP_NO: 18221
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pump house and drainage ditch about 250 feet from the levee on landside. Pumps on piling structure with shed in drainage ditch. Siphon breaker cover missing. Needs to fix it.
FIELD_STRUCT_DESC: 1 of 2: 30-inch pipe (of 30-inch and 24-inch steel pipes), 7.0 feet below the crown replaced 36-inch and 24-inch pipes through the levee, 9.0 and 8.0 feet below the crown respectively. Flap gates on the waterward ends. Siphon breakers on the waterward slope. Pumps on piling structure with shed in drainage ditch. (App. No. 18221 - R.D. No. 150 drainage plant). O&M Manual SAC 112, March 1957.
FS Date: 8/27/2013

LM Start	1.34	Rating **	M	Issue No.	996 (cont)
LM End	1.34	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_20727_34889.jpg



Bird's eye view: outfall pipes (bottom) and pump structure in drainage ditch (top)

Photo 2 of 3 : UCIP_SP_2017_20727_34888.jpg



WS view: siphon breaker in pipe riser on levee shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	1.34	Rating **	M	Issue No.	996 (cont)	
LM End	1.34	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.343136 °	38.343136 °	
				-121.560868 °	-121.560868 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20727						
DS_ID:22393						
EP_NO: 18221						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pump house and drainage ditch about 250 feet from the levee on landside.Pumps on piling structure with shed in drainage ditch.Siphon breaker cover missing. Needs to fix it.						
FIELD_STRUCT_DESC: 1 of 2: 30-inch pipe (of 30-inch and 24-inch steel pipes), 7.0 feet below the crown replaced 36-inch and 24-inch pipes through the levee, 9.0 and 8.0 feet below the crown respectively. Flap gates on the waterward ends. Siphon breakers on the waterward slope. Pumps on piling structure with shed in drainage ditch. (App. No. 18221 - R.D. No. 150 drainage plant). O&M Manual SAC 112, March 1957.						
FS Date: 8/27/2013						

Photo 3 of 3 : UCIP_SP_2017_20727_34887.jpg



WS view: submerged flap gate in the stream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

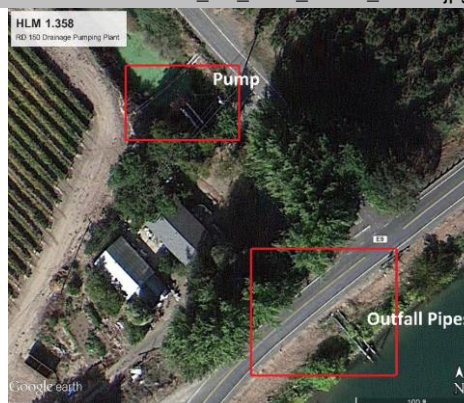
Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	1.34	Rating **	A/W	Issue No.	997
LM End	1.34	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.343144 °	38.343144 °
				-121.560856 °	-121.560856 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20346 DS_ID:22479 EP_NO: 18221 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pump house and drainage ditch about 250 feet from the levee on landside.Pumps on piling structure with shed in drainage ditch. FIELD_STRUCT_DESC: 1 of 2: 24-inch pipe (of 30-inch and 24-inch steel pipes), 7.0 feet below the crown replaced 36-inch and 24-inch pipes through the levee, 9.0 and 8.0 feet below the crown respectively. Flap gates on the waterward ends. Siphon breakers on the waterward slope. Pumps on piling structure with shed in drainage ditch. (App. No. 18221 - R.D. No. 150 drainage plant). O&M Manual SAC 112, March 1957. FS Date: 8/27/2013					

LM Start	1.34	Rating **	A/W	Issue No.	997 (cont)
LM End	1.34	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_20346_34350.jpg



Bird's Eye view: pumping plant (top) and outfall pipes (bottom).

Photo 2 of 3 : UCIP_SP_2017_20346_34349.jpg



WS view: submerged flap gate in the stream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	1.34	Rating **	A/W	Issue No.	997 (cont)
LM End	1.34	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.343144 °	38.343144 °
				-121.560856 °	-121.560856 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20346 DS_ID:22479 EP_NO: 18221 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pump house and drainage ditch about 250 feet from the levee on landside.Pumps on piling structure with shed in drainage ditch. FIELD_STRUCT_DESC: 1 of 2: 24-inch pipe (of 30-inch and 24-inch steel pipes), 7.0 feet below the crown replaced 36-inch and 24-inch pipes through the levee, 9.0 and 8.0 feet below the crown respectively. Flap gates on the waterward ends. Siphon breakers on the waterward slope. Pumps on piling structure with shed in drainage ditch. (App. No. 18221 - R.D. No. 150 drainage plant). O&M Manual SAC 112, March 1957. FS Date: 8/27/2013					

Photo 3 of 3 : UCIP_SP_2017_20346_34348.jpg



LS view: exposed 30" pipe (left) and 24" pipe (right) on levee slope.

LM Start	1.73	Rating **	M	Issue No.	48
LM End	1.73	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.345583 °	38.345583 °
				-121.554507 °	-121.554507 °
DWR ID	DWR_RD0150_02_f_2014_48				
Comment Code					
PO : Pole					
Inspector Comment					
A pole was found on the waterside slope of the levee. Most probably is connected to a pump.					

Photo 1 of 1 : SP_2017_RD0150_16_48_20170327_00023.jpg



A pole/pipe was found on the waterside slope of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	1.89	Rating **	C	Issue No.	50							
LM End	1.89	Issue Type +	Ma	Location *	WS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Encroachments		38.346323 °	38.346323 °								
			-121.551568 °	-121.551568 °								
DWR ID	DWR_RD0150_02_f_2014_50											
Comment Code												
PI : Pipe												
Inspector Comment												
An abandoned pipe was found on the waterside of the levee.												

No Photos

LM Start	1.91	Rating **	M	Issue No.	998							
LM End	1.91	Issue Type +	En	Location *	WS							
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DWR UCIP Field Study		38.346448 °	38.346448 °								
			-121.551293 °	-121.551293 °								
DWR ID												
Comment Code												
Inspector Comment												
FS_ID:20348 DS_ID:22395 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Operating during inspection.- Overhead powerline crossing- CMP riser with siphon breaker needs cleaning. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 4.0 feet below the crown; pump on the piling in the stream. Power poles on both slopes. Ramp on the landward slope. Siphon breaker on the landward shoulder. (T. Wilson). O&M Manual SAC 112, March 1957. FS Date: 8/27/2013												

Photo 1 of 3 : UCIP_SP_2017_20348_34371.jpg



WS view: service pole, pipe & pump on piling structure in the stream.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	1.91	Rating **	M	Issue No.	998 (cont)
LM End	1.91	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.346448 °	38.346448 °
				-121.551293 °	-121.551293 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:20348
DS_ID:22395
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: - Operating during inspection.- Overhead powerline crossing- CMP riser with siphon breaker needs cleaning.
FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 4.0 feet below the crown; pump on the piling in the stream. Power poles on both slopes. Ramp on the landward slope. Siphon breaker on the landward shoulder. (T. Wilson). O&M Manual SAC 112, March 1957.
FS Date: 8/27/2013

LM Start	1.91	Rating **	M	Issue No.	998 (cont)
LM End	1.91	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_20348_34370.jpg



WS view: pipe & pump on piling structure in the stream.

Photo 3 of 3 : UCIP_SP_2017_20348_34369.jpg



LS view: concrete distribution box on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	2.10	Rating **	M	Issue No.	63
LM End	2.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.347002 °	38.347002 °
				-121.547803 °	-121.547803 °
DWR ID	DWR_RD0150_02_f_2016_63				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_63_20170405_00121.jpg



View of a tree trunk on the landside slope of the levee.

LM Start	2.14	Rating **	M	Issue No.	999
LM End	2.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.347032 °	38.347032 °
				-121.547159 °	-121.547159 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20731 DS_ID:22396 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Operating during inspection. Leaky join at the concrete box.- Power overhead crossing. Power pole at waterside shoulder, and landside toe. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 5.0 feet below the crown, slant pump on the waterward slope. Power pole on the waterward shoulder. (Wilcox) O&M Manual SAC 112, March 1957. FS Date: 8/27/2013					

Photo 1 of 3 : UCIP_SP_2017_20731_34902.jpg



WS view: slant pump on steel frame support and exposed pipe on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	2.14	Rating **	M	Issue No.	999 (cont)	
LM End	2.14	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.347032 °	38.347032 °	
				-121.547159 °	-121.547159 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20731						
DS_ID:22396						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - Operating during inspection. Leaky join at the concrete box.- Power overhead crossing. Power pole at waterside shoulder, and landside toe.						
FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 5.0 feet below the crown, slant pump on the waterward slope. Power pole on the waterward shoulder. (Wilcox) O&M Manual SAC 112, March 1957.						
FS Date: 8/27/2013						

LM Start	2.14	Rating **	M	Issue No.	999 (cont)
LM End	2.14	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_20731_34901.jpg



LS view: concrete distribution box on levee toe and exposed steel pipe on levee slope.

Photo 3 of 3 : UCIP_SP_2017_20731_34903.jpg



LS view: leaky concrete distribution box on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	2.28	Rating **	M	Issue No.	88
LM End	2.30	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.347355 °	38.347361 °
				-121.544628 °	-121.544280 °
DWR ID	DWR_RD0150_02_s_2012_88				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_88_20170327_00047.jpg



Landscaping was found on the landside of the levee. The picture was taken from the crown looking upstream.

LM Start	2.72	Rating **	M	Issue No.	70
LM End	2.72	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.349777 °	38.349777 °
				-121.537247 °	-121.537247 °
DWR ID	DWR_RD0150_02_s_2017_70				
Comment Code					
TA : Tank					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_70_20170405_00120.jpg



A tank was found on the landside toe of the levee.

LM Start	2.75	Rating **	N	Issue No.	14
LM End	2.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.350041 °	38.350041 °
				-121.536853 °	-121.536853 °
DWR ID	DWR_RD0150_02_s_2012_14				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_14_20170327_00010.jpg



View of a tree stump on the landward slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	2.97	Rating **	U	Issue No.	85
LM End	3.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.352372 °	38.352802 °
				-121.534127 °	-121.533638 °
DWR ID	DWR_RD0150_02_s_2012_85				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_85_20170327_00046.jpg



Landscaping providing a screen for a residence on the landside of levee.

LM Start	3.24	Rating **	M	Issue No.	961
LM End	3.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.355321 °	38.355321 °
				-121.530902 °	-121.530902 °
DWR ID	DWR_RD0150_02_s_2012_961				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Depressions into the waterward slope can be seen along the waterward slope at this site. Also note the damaged pump support, pump, and pipe just upstream of the site; they may contribute to the erosion in a high water event and should be removed.					

Photo 1 of 5 : SP_2017_RD0150_16_961_20170327_00051.jpg



Updated picture of the erosion on the waterside of the levee during spring 2015 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	3.24	Rating **	M	Issue No.	961 (cont)
LM End	3.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.355321 °	38.355321 °
				-121.530902 °	-121.530902 °
DWR ID	DWR_RD0150_02_s_2012_961				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Depressions into the waterward slope can be seen along the waterward slope at this site. Also note the damaged pump support, pump, and pipe just upstream of the site; they may contribute to the erosion in a high water event and should be removed.					

Photo 2 of 5 : SP_2017_RD0150_16_961_20170327_00052.jpg



View of the erosion on the waterside slope of the levee near the pipe looking downstream. This picture was taken during the fall 2013 inspection.

LM Start	3.24	Rating **	M	Issue No.	961 (cont)
LM End	3.24	Issue Type +	Ma	Location *	WS

Photo 3 of 5 : SP_2017_RD0150_16_961_20170327_00053.jpg



View of the erosion on the waterside slope of the levee looking upstream during spring 2013 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	3.24	Rating **	M	Issue No.	961 (cont)
LM End	3.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.355321 °	38.355321 °
				-121.530902 °	-121.530902 °
DWR ID	DWR_RD0150_02_s_2012_961				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Depressions into the waterward slope can be seen along the waterward slope at this site. Also note the damaged pump support, pump, and pipe just upstream of the site; they may contribute to the erosion in a high water event and should be removed.					

Photo 4 of 5 : SP_2017_RD0150_16_961_20170327_00054.jpg



View of erosion and damaged pipe and abandoned boat on the waterside of the levee looking upstream. This picture was taken during fall 2012 inspection.

LM Start	3.24	Rating **	M	Issue No.	961 (cont)
LM End	3.24	Issue Type +	Ma	Location *	WS

Photo 5 of 5 : SP_2017_RD0150_16_961_20170327_00055.jpg



View of the erosion site, and broken pump support along with a boat on the waterside of the levee. The picture was taken from the crown looking towards the toe of the levee during fall 2011 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0150 Merrit Island

WS view: steel pipe and GI conduit on levee slope.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	3.24	Rating **	M	Issue No.	1000 (cont)	
LM End	3.24	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.355360 °	38.355360 °	
				-121.530838 °	-121.530838 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20736						
DS_ID:22402						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - 10" steel pipe sleeved through 12" steel pipe.- main pipe bifurcates into two pipes on LS slope and connected to standpipe and concrete box.- 2" electric conduit on WS and power pole on LS.- needs filling into gap between 10" and 12" steel pipes on LS.						
FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 4.0 feet below the crown; pump on piling in stream. Concrete standpipe and concrete distribution box at the toe of the landward slope. (A. Green)						
O&M Manual SAC 112, March 1957.						
FS Date: 8/30/2013						

Photo 3 of 3 : UCIP_SP_2017_20736_34915.jpg



WS view: pipe and pump on levee slope. Gate valve and air vent on the pipe.

LM Start	3.30	Rating **	M	Issue No.	17
LM End	3.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.355979 °	38.355979 °
				-121.530288 °	-121.530288 °
DWR ID	DWR_RD0150_02_s_2012_17				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry is partially blocking the visibility.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

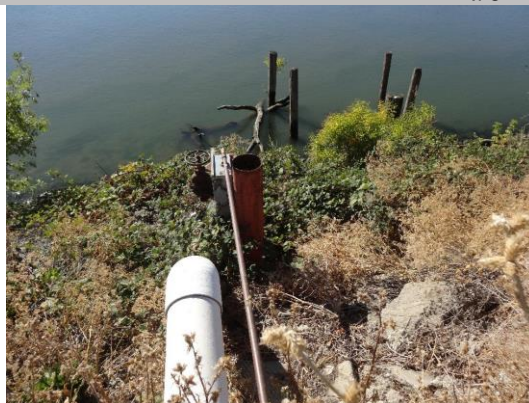
Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	3.50	Rating **	M	Issue No.	1001
LM End	3.50	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.358094 °	38.358094 °
				-121.527619 °	-121.527619 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19846 DS_ID:22403 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - 8" pvc pipe sleeved into 12" steel pipe.- needs filling/grouting in gas between 8" pvc pipe and 12" steel pipe on WS.- 1.5" electric conduit on WS- 10" steel pipe extended to 8" pvc pipe on landside levee toe. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 3.0 feet below the crown, pump and gate valve on the waterward slope. (R & J Pylman). O&M Manual SAC 112, March 1957. FS Date: 8/30/2013					

LM Start	3.50	Rating **	M	Issue No.	1001 (cont)
LM End	3.50	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_19846_33727.jpg



WS view: pipe, pump, and conduit on levee slope.

Photo 2 of 3 : UCIP_SP_2017_19846_33726.jpg



WS view: steel conduit (right); 8" pvc pipe sleeved into 12" steel pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	3.50	Rating **	M	Issue No.	1001 (cont)	
LM End	3.50	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.358094 °		38.358094 °
				-121.527619 °		-121.527619 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:19846 DS_ID:22403 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - 8" pvc pipe sleeved into 12" steel pipe.- needs filling/grouting in gas between 8" pvc pipe and 12" steel pipe on WS.- 1.5" electric conduit on WS- 10" steel pipe extended to 8" pvc pipe on landside levee toe. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 3.0 feet below the crown, pump and gate valve on the waterward slope. (R & J Pylman). O&M Manual SAC 112, March 1957. FS Date: 8/30/2013						

Photo 3 of 3 : UCIP_SP_2017_19846_33725.jpg



LS view: exposed pipe on levee slope and standpipe on the toe.

LM Start	3.51	Rating **	M	Issue No.	1002
LM End	3.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.358131 °	38.358131 °
				-121.527540 °	-121.527540 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19848 DS_ID:22404 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs proper abandonment. FIELD_STRUCT_DESC: *ABANDONED* 4-inch steel pipe on landward slope. 1-inch steel conduit on waterward slope found. FS Date: 8/30/2013					

Photo 1 of 3 : UCIP_SP_2017_19848_33734.jpg



WS view: abandoned 1-inch conduit on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	3.51	Rating **	M	Issue No.	1002 (cont)	
LM End	3.51	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.358131 °	38.358131 °	
				-121.527540 °	-121.527540 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:19848 DS_ID:22404 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs proper abandonment. FIELD_STRUCT_DESC: *ABANDONED* 4-inch steel pipe on landward slope. 1-inch steel conduit on waterward slope found. FS Date: 8/30/2013						

LM Start	3.51	Rating **	M	Issue No.	1002 (cont)
LM End	3.51	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_19848_33733.jpg



LS view: exposed 4-inch steel pipe on levee slope.

Photo 3 of 3 : UCIP_SP_2017_19848_33732.jpg



LS view: abandoned 4-inch steel pipe on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	3.54	Rating **	U	Issue No.	82
LM End	3.67	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.358565 °	38.359729 °
				-121.527153 °	-121.525345 °
DWR ID	DWR_RD0150_02_s_2012_82				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_82_20170327_00045.jpg



Landscaping was blocking the visibility on the landside of the levee looking upstream.

LM Start	3.75	Rating **	U	Issue No.	67
LM End	3.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.360444 °	38.360444 °
				-121.524200 °	-121.524200 °
DWR ID	DWR_RD0150_02_s_2017_67				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_67_20170405_00119.jpg



View of a slope instability on the landside of the levee looking downstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	3.84	Rating **	U	Issue No.	80
LM End	3.86	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.361419 °	38.361752 °
				-121.523225 °	-121.522974 °
DWR ID	DWR_RD0150_02_s_2012_80				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_80_20170327_00044.jpg



Landscaping in front of a residence on landside of levee from LM 3.90 to LM 3.93. The levee in this location is greater than 100' wide.

LM Start	3.88	Rating **	M	Issue No.	33
LM End	3.88	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.361970 °	38.361970 °
				-121.522777 °	-121.522777 °
DWR ID	DWR_RD0150_02_s_2012_33				
Comment Code					
ST : Stairway					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_33_20170327_00019.jpg



A stairway was found on the waterside slope of the levee.

LM Start	3.91	Rating **	M	Issue No.	61
LM End	3.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.362357 °	38.362357 °
				-121.522582 °	-121.522582 °
DWR ID	DWR_RD0150_02_s_2016_61				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_61_20170327_00035.jpg



View of prunings on the landside of the levee.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	4.08	Rating **	M	Issue No.	20
LM End	4.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.364854 °	38.365104 °
				-121.522378 °	-121.522365 °
DWR ID	DWR_RD0150_02_s_2012_20				
Comment Code					
BU : Building					
Inspector Comment					
3' retaining wall at the landward shoulder.					

Photo 1 of 1 : SP_2017_RD0150_16_20_20170327_00013.jpg



View of a retaining wall on the landward slope looking upstream.

LM Start	4.10	Rating **	M	Issue No.	953
LM End	4.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.365162 °	38.365162 °
				-121.522365 °	-121.522365 °
DWR ID	DWR_RD0150_02_s_2012_953				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_953_20170327_00050.jpg



View of cacti on the landside of the levee looking from the crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	4.17	Rating **	M	Issue No.	1003
LM End	4.17	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.366149 °	38.366149 °
				-121.522352 °	-121.522352 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42702 DS_ID:22407 EP_NO: 13505 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly.- no pipe and structure found on landside.- siphon breaker in 24" CMP riser on waterside.- control box and electric conduit on waterside slope. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 5.0 feet below the crown; slanted pump on the waterside slope. Siphon breaker in the waterside slope in corrugated metal pipe riser. A control box and electric conduit on waterside slope. (Permit No. 13505 - Clara Herringer). O&M Manual SAC 112, March 1957. FS Date: 8/30/2013					

LM Start	4.17	Rating **	M	Issue No.	1003 (cont)
LM End	4.17	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_42702_33782.jpg



WS view: slanted pump on levee slope.

Photo 2 of 3 : UCIP_SP_2017_42702_33781.jpg



WS view: exposed 14-inch steel pipe on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	4.17	Rating **	M	Issue No.	1003 (cont)	
LM End	4.17	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.366149 °		38.366149 °
				-121.522352 °		-121.522352 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:42702 DS_ID:22407 EP_NO: 13505 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly.- no pipe and structure found on landside.- siphon breaker in 24" CMP riser on waterside.- control box and electric conduit on waterside slope. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 5.0 feet below the crown; slanted pump on the waterside slope. Siphon breaker in the waterside slope in corrugated metal pipe riser. A control box and electric conduit on waterside slope. (Permit No. 13505 - Clara Herringer). O&M Manual SAC 112, March 1957. FS Date: 8/30/2013						

Photo 3 of 3 : UCIP_SP_2017_42702_33780.jpg



WS view: electric control box and electric conduit on levee slope.

LM Start	4.26	Rating **	U	Issue No.	24
LM End	4.28	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.367442 °	38.367740 °
				-121.522427 °	-121.522495 °
DWR ID	DWR_RD0150_02_s_2012_24				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_24_20170327_00014.jpg



Landscaping (Oleander) on landward slope from 4.33 to 4.35

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	4.30	Rating **	U	Issue No.	79
LM End	4.34	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.368036 °	38.368540 °
				-121.522611 °	-121.522729 °
DWR ID	DWR_RD0150_02_s_2012_79				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_79_20170327_00043.jpg



Trees were obstructing the views on the landside slope of the levee looking downstream.

LM Start	4.50	Rating **	A/W	Issue No.	1
LM End	4.57	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.370928 °	38.371909 °
				-121.523069 °	-121.523316 °
DWR ID	DWR_RD0150_02_s_2016_1				
Comment Code					
Inspector Comment					
1999 - Downstream end (300 ft) repaired with rock. 2010 - Toe erosion, some vertical slopes lower down. 2011 - Failing rock repair. Slumping of the lower bank. Minor new erosion. 2013 - Tree at upstream end has exposed roots. Some new erosion. 2015: No observed changes. [2015 Site ID: SAC_38-5_R]					

No Photos

LM Start	4.69	Rating **	M	Issue No.	28
LM End	4.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.373485 °	38.373485 °
				-121.523963 °	-121.523963 °
DWR ID	DWR_RD0150_02_s_2012_28				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_28_20170327_00016.jpg



Century plant on waterward slope at LM 4.76

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	4.70	Rating **	U	Issue No.	76
LM End	4.72	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.373688 °	38.373970 °
				-121.524280 °	-121.524403 °
DWR ID	DWR_RD0150_02_s_2012_76				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_76_20170327_00042.jpg



Trees were obstructing the view of the landside slope of the levee looking upstream.

LM Start	4.91	Rating **	M	Issue No.	72
LM End	4.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.376543 °	38.376543 °
				-121.525471 °	-121.525471 °
DWR ID	DWR_RD0150_02_s_2017_72				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	5.06	Rating **	A/W	Issue No.	40
LM End	7.81	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.378674 °	38.414029 °
				-121.525423 °	-121.522991 °
DWR ID	DWR_RD0150_02_s_2012_40				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	5.06	Rating **	M	Issue No.	30
LM End	5.09	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.378715 °	38.379052 °
				-121.525458 °	-121.525341 °
DWR ID	DWR_RD0150_02_s_2012_30				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_30_20170327_00017.jpg



Landscaping was found on the landside shoulder of the levee looking upstream.

LM Start	5.09	Rating **	M	Issue No.	75
LM End	5.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.379054 °	38.379769 °
				-121.525341 °	-121.525024 °
DWR ID	DWR_RD0150_02_s_2012_75				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_75_20170327_00041.jpg



View of landscaping along the landward shoulder and slope looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	5.24	Rating **	M	Issue No.	1004
LM End	5.24	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.381079 °	38.381079 °
				-121.524166 °	-121.524166 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20740 DS_ID:22410 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - 2" electric conduit and gate valve on WS.- abandoned old pump not removed from WS- working during field survey FIELD_STRUCT_DESC: 12-inch pipe and 2-inch electric conduit through the levee, 3.0 feet below the crown. Service pole and standpipe at the toe of the landward slope. (C. Sakai) O&M Manual SAC 112, March 1957. FS Date: 8/30/2013					

LM Start	5.24	Rating **	M	Issue No.	1004 (cont)
LM End	5.24	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_20740_34941.jpg



WS view: pipe, walkway, slant pump & pump platform on stream bank.

Photo 2 of 3 : UCIP_SP_2017_20740_34940.jpg



WS view: pipe, slant pump & pump platform on stream bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

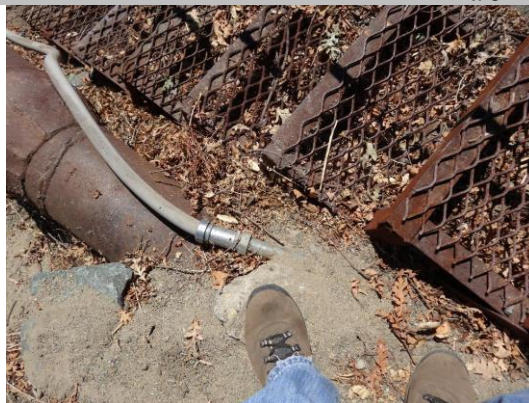
Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	5.24	Rating **	M	Issue No.	1004 (cont)	
LM End	5.24	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.381079 °		38.381079 °
				-121.524166 °		-121.524166 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20740 DS_ID:22410 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - 2" electric conduit and gate valve on WS.- abandoned old pump not removed from WS- working during field survey FIELD_STRUCT_DESC: 12-inch pipe and 2-inch electric conduit through the levee, 3.0 feet below the crown. Service pole and standpipe at the toe of the landward slope. (C. Sakai) O&M Manual SAC 112, March 1957. FS Date: 8/30/2013						

Photo 3 of 3 : UCIP_SP_2017_20740_34939.jpg



WS view: steel steps to pump platform, exposed steel pipe, and electric conduit on levee slope.

LM Start	5.24	Rating **	M	Issue No.	975
LM End	5.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.381126 °	38.381126 °
				-121.524207 °	-121.524207 °
DWR ID	DWR_RD0150_02_s_2013_975				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Depression in the waterward slope at the shoulder over an irrigation pipe.					

Photo 1 of 2 : SP_2017_RD0150_16_975_20170327_00056.jpg



View of minor slope instability on the waterside slope of the levee looking downstream during fall 2013 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	5.24	Rating **	M	Issue No.	975 (cont)	
LM End	5.24	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Slope Stability			38.381126 °	38.381126 °	
				-121.524207 °	-121.524207 °	
DWR ID	DWR_RD0150_02_s_2013_975					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
Depression in the waterward slope at the shoulder over an irrigation pipe.						

Photo 2 of 2 : SP_2017_RD0150_16_975_20170327_00057.jpg



View of a minor depression along the landward slope of the levee over a pipe penetration looking downstream.

LM Start	5.33	Rating **	M	Issue No.	54
LM End	5.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.382072 °	38.382072 °
				-121.523220 °	-121.523220 °
DWR ID	DWR_RD0150_02_f_2014_54				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_54_20170327_00027.jpg



View of a slope instability on the waterside of the levee looking towards the toe.

LM Start	5.33	Rating **	M	Issue No.	73
LM End	7.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.382063 °	38.412552 °
				-121.523206 °	-121.521771 °
DWR ID	DWR_RD0150_02_s_2017_73				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	5.39	Rating **	M	Issue No.	74
LM End	5.40	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.382675 °	38.382793 °
				-121.522367 °	-121.522164 °
DWR ID	DWR_RD0150_02_s_2012_74				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

LM Start	5.69	Rating **	C	Issue No.	62
LM End	5.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.385329 °	38.385329 °
				-121.518024 °	-121.518024 °
DWR ID	DWR_RD0150_02_f_2016_62				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	5.90	Rating **	M	Issue No.	52
LM End	5.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.387915 °	38.387915 °
				-121.516002 °	-121.516002 °
DWR ID	DWR_RD0150_02_f_2016_52				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion due to runoff.					

Photo 1 of 2 : SP_2017_RD0150_16_52_20170405_00118.jpg



Updated picture of the erosion on the landside of the levee during spring 2017 inspection.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	5.90	Rating **	M	Issue No.	52 (cont)	
LM End	5.90	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.387915 °	38.387915 °	
				-121.516002 °	-121.516002 °	
DWR ID	DWR_RD0150_02_f_2016_52					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Erosion due to runoff.						

Photo 2 of 2 : SP_2017_RD0150_16_52_20170327_00026.jpg



View of an erosion due to runoff on the landside of the levee. Fall 2016

LM Start	6.13	Rating **	M	Issue No.	1005
LM End	6.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.391099 °	38.391099 °
				-121.514913 °	-121.514913 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20748 DS_ID:22412 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - slope erosion due leaky siphon breaker at CMP riser- leaky pipe and pump- service pole on LS- 2" electric conduit on WS FIELD_STRUCT_DESC: 10-inch steel pipe and an electric conduit through the levee, 4.8 feet below the crown. Slant pump on the waterward slope. Siphon breaker in corrugated metal pipe riser on the landward shoulder. Slope erosion on landside of levee at siphon breaker. (Ed. Boyles) O&M Manual SAC 112, March 1957. FS Date: 8/30/2013					

Photo 1 of 3 : UCIP_SP_2017_20748_34967.jpg



WS view: steel pipe and slant pump on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	6.13	Rating **	M	Issue No.	1005 (cont)
LM End	6.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.391099 °	38.391099 °
				-121.514913 °	-121.514913 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20748					
DS_ID:22412					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - slope erosion due leaky siphon breaker at CMP riser- leaky pipe and pump- service pole on LS- 2" electric conduit on WS					
FIELD_STRUCT_DESC: 10-inch steel pipe and an electric conduit through the levee, 4.8 feet below the crown. Slant pump on the waterward slope. Siphon breaker in corrugated metal pipe riser on the landward shoulder. Slope erosion on landside of levee at siphon breaker. (Ed. Boyles) O&M Manual SAC 112, March 1957.					
FS Date: 8/30/2013					

LM Start	6.13	Rating **	M	Issue No.	1005 (cont)
LM End	6.13	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_20748_34966.jpg



WS view: leaky steel pipe and slant pump on levee slope.

Photo 3 of 3 : UCIP_SP_2017_20748_34965.jpg



LS view: siphon breaker in CMP riser (left) on levee slope and concrete standpipe at levee toe (right).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	6.30	Rating **	M	Issue No.	27
LM End	6.30	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.393655 °	38.393655 °
				-121.514654 °	-121.514654 °
DWR ID	DWR_RD0150_02_s_2012_27				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Century plant on the landward slope.					

Photo 1 of 1 : SP_2017_RD0150_16_27_20170327_00015.jpg



Century plant was found on the landside of the levee looking upstream.

LM Start	6.32	Rating **	M	Issue No.	29
LM End	6.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.393850 °	38.393850 °
				-121.514629 °	-121.514629 °
DWR ID	DWR_RD0150_02_s_2012_29				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

LM Start	6.36	Rating **	U	Issue No.	31
LM End	6.36	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.394416 °	38.394416 °
				-121.514590 °	-121.514590 °
DWR ID	DWR_RD0150_02_s_2012_31				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_31_20170327_00018.jpg



Trees need to be trimmed on the landside of the levee looking upstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	6.39	Rating **	M	Issue No.	65
LM End	6.46	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.394935 °	38.395931 °
				-121.514597 °	-121.514604 °
DWR ID	DWR_RD0150_02_s_2012_65				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_65_20170327_00039.jpg



View of landscaping along the waterward shoulder and slope looking downstream.

LM Start	6.42	Rating **	M	Issue No.	34
LM End	6.42	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.395340 °	38.395340 °
				-121.514528 °	-121.514528 °
DWR ID	DWR_RD0150_02_s_2012_34				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_34_20170327_00020.jpg



Landscaping was found on the waterside of the levee looking upstream.

LM Start	6.48	Rating **	M	Issue No.	42
LM End	6.48	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.396235 °	38.396235 °
				-121.514547 °	-121.514547 °
DWR ID	DWR_RD0150_02_s_2012_42				
Comment Code					
ST : Stairway					
Inspector Comment					
Unpermitted stairway.					

Photo 1 of 1 : SP_2017_RD0150_16_42_20170327_00021.jpg



A stairway was found on the waterside slope of the levee looking upstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	6.50	Rating **	M	Issue No.	1006 (cont)
LM End	6.50	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.396449 °	38.396449 °
				-121.514516 °	-121.514516 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50669 DS_ID:22413 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/09/2016 Per FPIIB Inspector Pavel Kazi, the CMP riser has been removed and the pipe is now exposed. Pipe still requires proper abandonment. (K. Fazel - UCIP)08/30/2013 Only an abandoned and dismantled CMP riser with gate valve found on WS levee slope. May need proper abandonment. (P. Amatya - DWR) FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel irrigation pipe, 10 feet below the crown. Gate valve on both ends, though only one found on the waterside (WS) in 2013. Pump on the landside (LS) 10 feet from LS toe, not found in 2013. Riser unit on the WS slope has been removed as of the 2016 inspection. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 112, March 1957 (RM 40.60)]. FS Date: 11/9/2016					

Photo 3 of 3 : UCIP_SP_2017_50669_34983.jpg



WS view: an abandoned and dismantled CMP riser with gate valve handle on WS levee slope.

LM Start	6.50	Rating **	U	Issue No.	55
LM End	6.50	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.396518 °	38.396518 °
				-121.514530 °	-121.514530 °
DWR ID	DWR_RD0150_02_f_2014_55				
Comment Code					
PI : Pipe					
Inspector Comment					
The pipe gate needs to be covered on the waterside toe of the levee.					

Photo 1 of 1 : SP_2017_RD0150_16_55_20170327_00028.jpg



An open pipe valve was found without a cover on the waterside toe of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	6.56	Rating **	U	Issue No.	64
LM End	6.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.397411 °	38.398033 °
				-121.514681 °	-121.514753 °
DWR ID	DWR_RD0150_02_s_2012_64				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_64_20170327_00038.jpg



Landscaping providing a screen for a residence on landside of levee from LM 6.68 to LM 6.72

LM Start	6.57	Rating **	M	Issue No.	1007
LM End	6.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.397451 °	38.397451 °
				-121.514601 °	-121.514601 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41720					
DS_ID:22425					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to clear dense vegetation on WS.- water					
filtration plant on LS levee toe.- Slide gate on CMP riser on WS.					
FIELD_STRUCT_DESC: 8-inch pipe through the levee, 12.0 feet below					
the crown, gate valve in CM riser on the waterward slope. Pump at the					
landward toe. (Joe Gomez)					
FS Date: 8/30/2013					

Photo 1 of 2 : UCIP_SP_2017_41720_34081.jpg



WS view: CMP riser with gate valve on levee slope. Dense vegetation on levee slope and stream bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	6.57	Rating **	M	Issue No.	1007 (cont)	
LM End	6.57	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.397451 °	38.397451 °	
				-121.514601 °	-121.514601 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41720						
DS_ID:22425						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Need to clear dense vegetation on WS.- water						
filtration plant on LS levee toe.- Slide gate on CMP riser on WS.						
FIELD_STRUCT_DESC: 8-inch pipe through the levee, 12.0 feet below						
the crown, gate valve in CM riser on the waterward slope. Pump at the						
landward toe. (Joe Gomez)						
FS Date: 8/30/2013						

Photo 2 of 2 : UCIP_SP_2017_41720_34080.jpg



LS view: concrete vault, pipe, and pump in water filtration plant.

LM Start	6.63	Rating **	M	Issue No.	47
LM End	7.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.398303 °	38.410875 °
				-121.514789 °	-121.520530 °
DWR ID	DWR_RD0150_02_s_2017_47				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	6.64	Rating **	M	Issue No.	43
LM End	6.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.398456 °	38.398456 °
				-121.514735 °	-121.514735 °
DWR ID	DWR_RD0150_02_s_2012_43				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Century plant on landside of the levee.					

Photo 1 of 1 : SP_2017_RD0150_16_43_20170327_00022.jpg



Century plants were found on the landside of the levee looking upstream.

LM Start	6.69	Rating **	M	Issue No.	1008
LM End	6.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.399167 °	38.399167 °
				-121.514793 °	-121.514793 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41646 DS_ID:22426 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - abandoned very old gate valve also found on WS. Rest of pipe should be evaluated due to its age. FIELD_STRUCT_DESC: 9-inch steel irrigation pipe 9.7 feet below the crown, gate valve and pump house on the landside (LS). (Permit No. 8551, 1973 - Souza). O&M Manual SAC 112, March 1957. FS Date: 8/30/2013					

Photo 1 of 3 : UCIP_SP_2017_41646_34102.jpg



WS view: inlet steel pipe on stream bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	6.69	Rating **	M	Issue No.	1008 (cont)
LM End	6.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.399167 °	38.399167 °
				-121.514793 °	-121.514793 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41646					
DS_ID:22426					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - abandoned very old gate valve also found on WS.					
Rest of pipe should be evaluated due to its age.					
FIELD_STRUCT_DESC: 9-inch steel irrigation pipe 9.7 feet below the crown, gate valve and pump house on the landside (LS). (Permit No. 8551, 1973 - Souza). O&M Manual SAC 112, March 1957.					
FS Date: 8/30/2013					

LM Start	6.69	Rating **	M	Issue No.	1008 (cont)
LM End	6.69	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_41646_34101.jpg



WS view: An abandoned old gate valve on inlet steel pipe on stream bank.

Photo 3 of 3 : UCIP_SP_2017_41646_34100.jpg



LS view: concrete masonry distribution box (top), steel pipe, gate valve, air vent, and pump (left) on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	6.80	Rating **	U	Issue No.	1009
LM End	6.80	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.400835 °	38.400835 °
				-121.515066 °	-121.515066 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50387 DS_ID:22427 EP_NO: 1703 Repair Type: Urgent Crossing Status: Found UCIP Comments: - significant erosion along pipe alignment on LS slope.- pump on concrete pad- service pole on LS slope. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 4.5 feet below the crown, pump and gate valve on the waterward slope. Service pole and standpipe on the landward shoulder. (App. No. 1703 - M. Silva). Landowner is Craig Silva 916-396-4651, 916-876-6362. Jim Pileman (leasing land and farming it) FS Date: 8/30/2013					

LM Start	6.80	Rating **	U	Issue No.	1009 (cont)
LM End	6.80	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_50387_35002.jpg



WS view: steel pipe, electric conduit, gate valve, and pump on levee slope.

Photo 2 of 3 : UCIP_SP_2017_50387_35001.jpg



WS view: steel inlet pipe in the stream and bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	6.80	Rating **	U	Issue No.	1009 (cont)	
LM End	6.80	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.400835 °		38.400835 °
				-121.515066 °		-121.515066 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50387 DS_ID:22427 EP_NO: 1703 Repair Type: Urgent Crossing Status: Found UCIP Comments: - significant erosion along pipe alignment on LS slope.- pump on concrete pad- service pole on LS slope. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 4.5 feet below the crown, pump and gate valve on the waterward slope. Service pole and standpipe on the landward shoulder. (App. No. 1703 - M. Silva). Landowner is Craig Silva 916-396-4651, 916-876-6362. Jim Pileman (leasing land and farming it) FS Date: 8/30/2013						

Photo 3 of 3 : UCIP_SP_2017_50387_35000.jpg



WS view: closer view of gate valve and pump on levee slope

LM Start	6.81	Rating **	U	Issue No.	60
LM End	6.93	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.400936 °	38.402613 °
				-121.515173 °	-121.515863 °
DWR ID	DWR_RD0150_02_s_2012_60				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_60_20170327_00034.jpg



Landscaping providing a screen for a residence on the landside of levee from LM 6.93 to LM 7.05

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	7.00	Rating **	U	Issue No.	1010
LM End	7.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.403513 °	38.403513 °
				-121.516162 °	-121.516162 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50386 DS_ID:22429 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: - soil erosion along pipe alignment on LS slope.- needs more investigation and mitigation for soil erosion. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee 10.0 feet below the crown, pump on concrete slab and slide gate in CMP riser on the waterward slope. Pipe through the levee section encased in reinforced concrete. A concrete standpipe on landside toe. (A. Monice). Landowner is Steve Winkler 916-599-1052. FS Date: 8/30/2013					

LM Start	7.00	Rating **	U	Issue No.	1010 (cont)
LM End	7.00	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_50386_34162.jpg



WS view: CMP riser with slide gate and pump (right) on levee slope.

Photo 2 of 3 : UCIP_SP_2017_50386_34161.jpg



WS view: steel intake pipe and pump on levee slope. Dense vegetation on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	7.00	Rating **	U	Issue No.	1010 (cont)	
LM End	7.00	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.403513 °		38.403513 °
				-121.516162 °		-121.516162 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50386 DS_ID:22429 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: - soil erosion along pipe alignment on LS slope.- needs more investigation and mitigation for soil erosion. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee 10.0 feet below the crown, pump on concrete slab and slide gate in CMP riser on the waterward slope. Pipe through the levee section encased in reinforced concrete. A concrete standpipe on landside toe. (A. Monice). Landowner is Steve Winkler 916-599-1052. FS Date: 8/30/2013						

Photo 3 of 3 : UCIP_SP_2017_50386_34160.jpg



WS view: pump on levee slope. Dense vegetation on levee slope.

LM Start	7.01	Rating **	M	Issue No.	58
LM End	7.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.403631 °	38.403631 °
				-121.516299 °	-121.516299 °
DWR ID	DWR_RD0150_02_s_2012_58				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_58_20170327_00031.jpg



Landscaping providing a screen for a residence on landside of levee at LM 7.12

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	7.22	Rating **	A/W	Issue No.	32
LM End	7.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.406454 °	38.406454 °
				-121.517732 °	-121.517732 °
DWR ID	DWR_RD0150_02_s_2012_32				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	7.77	Rating **	M	Issue No.	41
LM End	7.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.413563 °	38.413563 °
				-121.522593 °	-121.522593 °
DWR ID	DWR_RD0150_02_s_2013_41				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

LM Start	7.79	Rating **	M	Issue No.	56
LM End	7.79	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.413705 °	38.413705 °
				-121.522806 °	-121.522806 °
DWR ID	DWR_RD0150_02_s_2012_56				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_16_56_20170327_00029.jpg



Landscaping on landside of levee at LM 7.92

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Reclamation District No. 0150 Merrit Island

Waterway			Bank	Unit Miles
Unit No. 03 Elk Slough			Left	9.41
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/28/2017 - 3/28/2017			
DWR Inspector	Pavel Kazi			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	0.01	Rating **	M	Issue No.	2
LM End	9.40	Issue Type +	Ob	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.332735 °	38.413893 °
				-121.583625 °	-121.522896 °
DWR ID	DWR_RD0150_03_s_2016_2				
Comment Code					
Inspector Comment					
1997 - Most of lower Elk Slough contains high near vertical banks, with erosion into the levee slope. Channel almost appears incised. 2002 - Sites where the levee slope is near vertical and severely eroding. It could fail catastrophically. 2004 - Looks bad in terms of vertical slopes and fallen trees. 2005 - Banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2006 - Both banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2010 - The entire reach is in poor condition, with severely eroding near vertical slopes, needs a regional repair. 2011 - Channel banks are still oversteepened with erosion continuing. 2012 - New cracks and animal holes observed. 2015: No observed changes. [2015 Site ID: ELK_0-2_L]					

No Photos

LM Start	0.11	Rating **	M	Issue No.	936
LM End	0.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.334233 °	38.334233 °
				-121.583414 °	-121.583414 °
DWR ID	DWR_RD0150_03_s_2012_936				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries are partially blocking visibility.					

Photo 1 of 1 : SP_2017_RD0150_17_936_20170327_00089.jpg



View of elderberry bush within 20 feet of shoulder blocking visibility and access.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

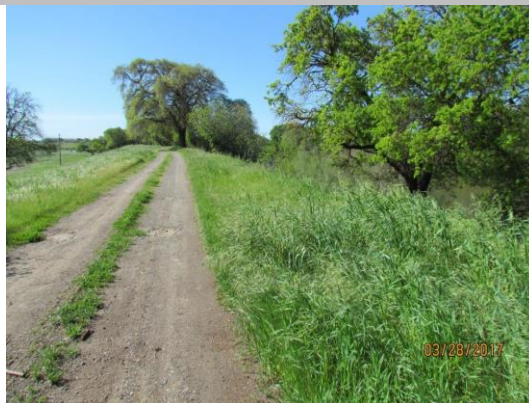
Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	0.21	Rating **	M	Issue No.	39
LM End	0.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.335630 °	38.341228 °
				-121.582744 °	-121.580609 °
DWR ID	DWR_RD0150_03_s_2017_39				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_39_20170330_00135.jpg



View of the vegetation on the waterside slope of the levee looking downstream.

LM Start	0.21	Rating **	M	Issue No.	38
LM End	0.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.335630 °	38.341390 °
				-121.582744 °	-121.580568 °
DWR ID	DWR_RD0150_03_s_2017_38				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_38_20170330_00134.jpg



View of the vegetation on the landside slope of the levee looking downstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	0.39	Rating **	M	Issue No.	951
LM End	0.39	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.337928 °	38.337928 °
				-121.581496 °	-121.581496 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42694 DS_ID:22453 EP_NO: 13612 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned. Proper abandone needs. FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel pipe through the levee, 3.5 feet below the crown. Pump and gate valve on the waterward slope. FS Date: 8/20/2013					

Photo 1 of 3 : UCIP_SP_2017_42694_32005.jpg



WS view: pipe and pump on levee slope.

LM Start	0.39	Rating **	M	Issue No.	951 (cont)
LM End	0.39	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_42694_32004.jpg



WS view: safety valve on steel pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	0.39	Rating **	M	Issue No.	951 (cont)
LM End	0.39	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.337928 °	38.337928 °
				-121.581496 °	-121.581496 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42694 DS_ID:22453 EP_NO: 13612 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned. Proper abandone needs. FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel pipe through the levee, 3.5 feet below the crown. Pump and gate valve on the waterward slope. FS Date: 8/20/2013					

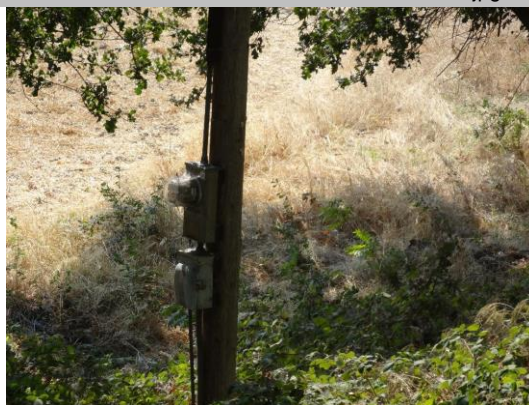
Photo 3 of 3 : UCIP_SP_2017_42694_32003.jpg



WS view: abandoned pipe, gate valve, and pump on levee slope.

LM Start	0.40	Rating **	M	Issue No.	952
LM End	0.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.338131 °	38.338131 °
				-121.581434 °	-121.581434 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42693 DS_ID:22454 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Seems to be abandoned. Service pole on LS slope. 1" conduit through levee.May need proper abandonment. FIELD_STRUCT_DESC: 6-inch steel pipe through the levee, 3.5 feet below the crown. Pump and gate valve on the waterward slope. FS Date: 8/20/2013					

Photo 1 of 3 : UCIP_SP_2017_42693_31979.jpg



LS view: service pole on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	0.40	Rating **	M	Issue No.	952 (cont)	
LM End	0.40	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.338131 °	38.338131 °	
				-121.581434 °	-121.581434 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:42693						
DS_ID:22454						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Seems to be abandoned. Service pole on LS slope.						
1" conduit through levee.May need proper abandonment.						
FIELD_STRUCT_DESC: 6-inch steel pipe through the levee, 3.5 feet below the crown. Pump and gate valve on the waterward slope.						
FS Date: 8/20/2013						

Photo 2 of 3 : UCIP_SP_2017_42693_31978.jpg



LS view: no pipe on levee slope.

LM Start	0.40	Rating **	M	Issue No.	952 (cont)
LM End	0.40	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_42693_31977.jpg



WS view: pipe and pump on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	0.66	Rating **	M	Issue No.	45
LM End	2.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.341843 °	38.362112 °
				-121.580413 °	-121.562268 °
DWR ID	DWR_RD0150_03_s_2017_45				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.66	Rating **	M	Issue No.	42
LM End	2.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.341843 °	38.362112 °
				-121.580413 °	-121.562268 °
DWR ID	DWR_RD0150_03_s_2017_42				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_42_20170330_00136.jpg



View of the vegetation on the landside slope of the levee looking upstream.

LM Start	0.92	Rating **	M	Issue No.	5
LM End	0.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.345493 °	38.345493 °
				-121.579682 °	-121.579682 °
DWR ID	DWR_RD0150_03_s_2012_5				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries are partially blocking visibility.					

Photo 1 of 1 : SP_2017_RD0150_17_5_20170327_00001.jpg



View of elderberries on the landward slope of the levee.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	1.35	Rating **	M	Issue No.	953
LM End	1.35	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.347489 °	38.347489 °	
			-121.573302 °	-121.573302 °	
DWR ID					

Comment Code

Inspector Comment

FS_ID:19112
DS_ID:22433
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: No handrail on wooden walkway.
FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 8.0 feet below the crown, pump in pump house on the waterward slope. Service pole and steel distribution box on the landward slope.
FS Date: 8/20/2013

LM Start	1.35	Rating **	M	Issue No.	953 (cont)
LM End	1.35	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_19112_32044.jpg



WS view: pipe on levee slope and pump house in channel.

Photo 2 of 3 : UCIP_SP_2017_19112_32043.jpg



WS view: concrete headwall and exposed pipe on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	1.35	Rating **	M	Issue No.	953 (cont)
LM End	1.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.347489 °	38.347489 °
				-121.573302 °	-121.573302 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19112 DS_ID:22433 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No handrail on wooden walkway. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 8.0 feet below the crown, pump in pump house on the waterward slope. Service pole and steel distribution box on the landward slope. FS Date: 8/20/2013					

Photo 3 of 3 : UCIP_SP_2017_19112_32042.jpg



WS view: pipe, wooden walkway and pump house in channel.

LM Start	1.40	Rating **	M	Issue No.	393
LM End	1.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.347880 °	38.347880 °
				-121.572500 °	-121.572500 °
DWR ID	DWR_RD0150_03_s_2015_393				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_393_20170327_00083.jpg



Rodent holes were found on the waterside of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	1.42	Rating **	M	Issue No.	70
LM End	1.42	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.348132 °	38.348132 °
				-121.572368 °	-121.572368 °
DWR ID	DWR_RD0150_03_f_2016_70				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_70_20170327_00051.jpg



View of an erosion on the waterside slope of the levee. Fall 2016

LM Start	1.78	Rating **	M	Issue No.	954
LM End	1.78	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.353180 °	38.353180 °
				-121.572907 °	-121.572907 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19137 DS_ID:22434 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Small depression on WS slope due to leak from pump. Pipe opens on LS ditch/depression. FIELD_STRUCT_DESC: 10-inch pipe through the levee, 3.4 feet below the crown, pump, gate valve and service pole on the waterward slope. FS Date: 8/20/2013					

Photo 1 of 3 : UCIP_SP_2017_19137_32108.jpg



WS view: exposed pipe and power pole on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	1.78	Rating **	M	Issue No.	954 (cont)
LM End	1.78	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.353180 °	38.353180 °
				-121.572907 °	-121.572907 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19137 DS_ID:22434 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Small depression on WS slope due to leak from pump. Pipe opens on LS ditch/depression. FIELD_STRUCT_DESC: 10-inch pipe through the levee, 3.4 feet below the crown, pump, gate valve and service pole on the waterward slope. FS Date: 8/20/2013					

Photo 2 of 3 : UCIP_SP_2017_19137_32107.jpg



WS view: exposed pipe on levee slope.

LM Start	1.78	Rating **	M	Issue No.	954 (cont)
LM End	1.78	Issue Type +	En	Location *	WS

Photo 3 of 3 : UCIP_SP_2017_19137_32106.jpg



WS view: pipe and slant pump on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	1.78	Rating **	M	Issue No.	50
LM End	1.78	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.353249 °	38.353249 °
				-121.572848 °	-121.572848 °
DWR ID	DWR_RD0150_03_s_2012_50				
Comment Code					
ST : Stairway					
Inspector Comment					
Stairs are dug next to the pipe.					

Photo 1 of 1 : SP_2017_RD0150_17_50_20170327_00032.jpg



Steps were dug next to the pipe and also erosion was found near the vicinity of the pipe on the waterside slope of the levee looking upstream.

LM Start	1.83	Rating **	M	Issue No.	85	
LM End	1.83	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.353761 °	38.353761 °	
				-121.572390 °	-121.572390 °	
DWR ID	DWR_RD0150_03_s_2016_85					
Comment Code						
TR : Tree or limb						
Inspector Comment						

Photo 1 of 1 : SP_2017_RD0150_17_85_20170327_00065.jpg



View of broken tree trunk on the waterside slope of the levee.

LM Start	2.21	Rating **	M	Issue No.	46
LM End	2.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.353744 °	38.353744 °
				-121.566132 °	-121.566132 °
DWR ID	DWR_RD0150_03_s_2017_46				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_46_20170330_00137.jpg



View of a rodent hole on the waterside slope of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	2.24	Rating **	M	Issue No.	75
LM End	2.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.353811 °	38.353811 °
				-121.565668 °	-121.565668 °
DWR ID	DWR_RD0150_03_f_2014_75				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Newly planted tree was found on the landside slope of the levee.					

No Photos

LM Start	2.31	Rating **	M	Issue No.	78
LM End	2.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.354286 °	38.354286 °
				-121.564494 °	-121.564494 °
DWR ID	DWR_RD0150_03_s_2012_78				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
New tree was planted on the landside slope.					

Photo 1 of 4 : SP_2017_RD0150_17_78_20170327_00056.jpg



Updated picture of the trees on the landside of the levee during spring 2015 inspection.

LM Start	2.31	Rating **	M	Issue No.	78 (cont)
LM End	2.31	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : SP_2017_RD0150_17_78_20170327_00057.jpg



View of the newly planted tree on the landside slope of the levee during spring 2014 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	2.31	Rating **	M	Issue No.	78 (cont)	
LM End	2.31	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.354286 °		38.354286 °
				-121.564494 °		-121.564494 °
DWR ID	DWR_RD0150_03_s_2012_78					
Comment Code						
T2 : Thin trees to allow visibility of the ground and room to flood fight.						
Inspector Comment						
New tree was planted on the landside slope.						

Photo 3 of 4 : SP_2017_RD0150_17_78_20170327_00058.jpg



Several newly planted trees were found on the landside slope of the levee looking upstream during the fall 2013 inspection.

LM Start	2.31	Rating **	M	Issue No.	78 (cont)
LM End	2.31	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : SP_2017_RD0150_17_78_20170327_00059.jpg



New tree was planted on the landside of the levee looking downstream.

LM Start	2.52	Rating **	M	Issue No.	54
LM End	2.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.356398 °	38.356398 °
				-121.561834 °	-121.561834 °
DWR ID	DWR_RD0150_03_s_2017_54				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_54_20170330_00138.jpg



View of an erosion on the waterside slope of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	2.55	Rating **	C	Issue No.	11
LM End	2.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.356853 °	38.356853 °
				-121.561565 °	-121.561565 °
DWR ID	DWR_RD0150_03_s_2012_11				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	2.66	Rating **	C	Issue No.	34
LM End	2.66	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.358406 °	38.358406 °
				-121.561300 °	-121.561300 °
DWR ID	DWR_RD0150_03_s_2013_34				
Comment Code					
PI : Pipe					
Inspector Comment					

No Photos

LM Start	2.75	Rating **	M	Issue No.	62
LM End	2.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.359693 °	38.359693 °
				-121.561354 °	-121.561354 °
DWR ID	DWR_RD0150_03_s_2017_62				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Run off due to rain.					

Photo 1 of 1 : SP_2017_RD0150_17_62_20170330_00139.jpg



View of slope instability on the waterside slope of the levee looking downstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	2.80	Rating **	M	Issue No.	35
LM End	2.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.360432 °	38.360432 °
				-121.561644 °	-121.561644 °
DWR ID	DWR_RD0150_03_s_2013_35				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD0150_17_35_20170330_00141.jpg



Updated picture of the erosion on the waterside of the levee during spring 2017 inspection.

LM Start	2.80	Rating **	M	Issue No.	35 (cont)
LM End	2.80	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2017_RD0150_17_35_20170327_00021.jpg



View of the erosion on the waterside of the levee during spring 2015 inspection.

LM Start	2.81	Rating **	M	Issue No.	71
LM End	2.81	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.360477 °	38.360477 °
				-121.561625 °	-121.561625 °
DWR ID	DWR_RD0150_03_s_2017_71				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_71_20170330_00140.jpg



View of a rodent hole on the landside shoulder of the levee looking upstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	2.82	Rating **	N	Issue No.	17
LM End	2.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.360621 °	38.360621 °
				-121.561762 °	-121.561762 °
DWR ID	DWR_RD0150_03_s_2012_17				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_17_20170327_00009.jpg



View of tree stumps on the waterward slope.

LM Start	3.15	Rating **	C	Issue No.	20
LM End	3.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.363658 °	38.363658 °
				-121.559583 °	-121.559583 °
DWR ID	DWR_RD0150_03_s_2012_20				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	3.28	Rating **	M	Issue No.	113
LM End	3.28	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.362992 °	38.362992 °
				-121.557275 °	-121.557275 °
DWR ID	DWR_RD0150_03_f_2013_113				
Comment Code					
PO : Pole					
Inspector Comment					
Unused pole on the landside shoulder of the levee					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	3.31	Rating **	M	Issue No.	40
LM End	3.31	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.363008 °	38.363008 °
				-121.556751 °	-121.556751 °
DWR ID	DWR_RD0150_03_s_2013_40				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD0150_17_40_20170327_00025.jpg



Updated picture of the erosion on the waterside of the levee during spring 2015 inspection.

LM Start	3.31	Rating **	M	Issue No.	40 (cont)
LM End	3.31	Issue Type +	Ob	Location *	WS

Photo 2 of 2 : SP_2017_RD0150_17_40_20170327_00026.jpg



Updated picture of the erosion on the waterside of the levee looking upstream during fall 2014 inspection.

LM Start	3.34	Rating **	N	Issue No.	27
LM End	3.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.363147 °	38.363147 °
				-121.556190 °	-121.556190 °
DWR ID	DWR_RD0150_03_s_2012_27				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_27_20170327_00014.jpg



View of tree stumps on the waterside slope looking upstream.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	3.39	Rating **	U	Issue No.	955
LM End	3.39	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.363520 °	38.363520 °
				-121.555571 °	-121.555571 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:51467
DS_ID:22439
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 03/30/2017 Riprap laid around pipe on WS slope. Source of erosion has not been addressed, nor has LS toe been repaired. Update and photo courtesy of Pavel Kazi, FPIIB Inspector, as a part of his Sprint 2017 Inspections. (K. Fazel - UCIP) 11/10/2016 Erosion at LS toe has progressed since last inspection and is now severe. Photo courtesy of Pavel Kazi, FPIIB Inspector, as a part of his Fall 2016 Inspections. Crossing has been upgraded from Non-Urgent to Urgent. (K. Fazel - UCIP) 08/20/2013 Leaky concrete standpipe on landside levee toe creating some erosion.- pump was working at the time of inspection. (P. Amatya - DWR)
FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 3.7 feet below the crown. Service pole on the waterside (WS) slope and pump on piling in the stream. Concrete stand pipe on landside (LS) toe. [Additional References: DWR Levee Log, 2005. USACE Sacramento O&M Manual 112, March 1957 (RM 3.45)].
FS Date: 4/6/2017

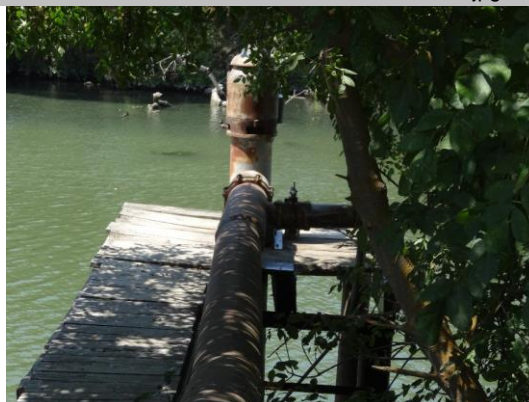
LM Start	3.39	Rating **	U	Issue No.	955 (cont)
LM End	3.39	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_51467_35013.jpg



WS view: exposed pipe, walkway, service pole on levee slope and pump support in channel.

Photo 2 of 3 : UCIP_SP_2017_51467_35012.jpg



WS view: steel pipe & pump, walkway, pump support in the channel.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	3.39	Rating **	U	Issue No.	955 (cont)
LM End	3.39	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.363520 °	38.363520 °
				-121.555571 °	-121.555571 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51467 DS_ID:22439 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 03/30/2017 Riprap laid around pipe on WS slope. Source of erosion has not been addressed, nor has LS toe been repaired. Update and photo courtesy of Pavel Kazi, FPIIB Inspector, as a part of his Sprint 2017 Inspections. (K. Fazel - UCIP) 11/10/2016 Erosion at LS toe has progressed since last inspection and is now severe. Photo courtesy of Pavel Kazi, FPIIB Inspector, as a part of his Fall 2016 Inspections. Crossing has been upgraded from Non-Urgent to Urgent. (K. Fazel - UCIP)08/20/2013 Leaky concrete standpipe on landside levee toe creating some erosion.- pump was working at the time of inspection. (P. Amatya - DWR) FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 3.7 feet below the crown. Service pole on the waterside (WS) slope and pump on piling in the stream. Concrete stand pipe on landside (LS) toe. [Additional References: DWR Levee Log, 2005. USACE Sacramento O&M Manual 112, March 1957 (RM 3.45)]. FS Date: 4/6/2017					

Photo 3 of 3 : UCIP_SP_2017_51467_35011.jpg



LS view: exposed pipe on levee slope.

LM Start	3.39	Rating **	C	Issue No.	114
LM End	3.39	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.363540 °	38.363540 °
				-121.555555 °	-121.555555 °
DWR ID	DWR_RD0150_03_f_2013_114				
Comment Code					
ST : Stairway					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	3.39	Rating **	U	Issue No.	115
LM End	3.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.363540 °	38.363540 °
				-121.555554 °	-121.555554 °
DWR ID	DWR_RD0150_03_f_2013_115				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion (ditch) was found on the landside toe of the levee.					

LM Start	3.39	Rating **	U	Issue No.	115 (cont)
LM End	3.39	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : SP_2017_RD0150_17_115_20170327_00079.jpg



Updated picture of the ditch on the landside toe of the levee. Fall 2016

Photo 2 of 3 : SP_2017_RD0150_17_115_20170327_00080.jpg



Updated picture of the ditch on the landside toe of the levee during fall 2015 inspection.

LM Start	3.39	Rating **	U	Issue No.	115 (cont)
LM End	3.39	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP_2017_RD0150_17_115_20170327_00081.jpg



A drainage ditch with depth of 4 feet and width of 15 feet was found on the landside toe of the levee. The picture was taken from the landside slope looking upstream during the fall 2013 inspection.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	3.41	Rating **	C	Issue No.	98
LM End	3.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.363803 °	38.363803 °
				-121.555432 °	-121.555432 °
DWR ID	DWR_RD0150_03_s_2012_98				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion was located on the waterside of the levee looking downstream.					

No Photos

LM Start	3.44	Rating **	M	Issue No.	47
LM End	3.48	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.364251 °	38.364772 °
				-121.555321 °	-121.555343 °
DWR ID	DWR_RD0150_03_s_2012_47				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_47_20170327_00029.jpg



Landscaping & garden on landward slope of levee at LM 3.50 to LM 3.54.

LM Start	3.45	Rating **	A/W	Issue No.	76
LM End	3.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			38.364325 °	38.364325 °
				-121.555330 °	-121.555330 °
DWR ID	DWR_RD0150_03_s_2017_76				
Comment Code					
Inspector Comment					
LMA or the pipe owner has placed new riprap on the waterside slope.					

Photo 1 of 1 : SP_2017_RD0150_17_76_20170330_00142.jpg



View of the new riprap on the waterside slope of the levee looking downstream. Spring 2017

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	3.56	Rating **	M	Issue No.	77
LM End	3.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.365899 °	38.365899 °
				-121.555611 °	-121.555611 °
DWR ID	DWR_RD0150_03_s_2017_77				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_77_20170330_00143.jpg



View of an animal burrow on the landside slope of the levee.

LM Start	3.61	Rating **	U	Issue No.	86
LM End	3.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.366688 °	38.366688 °
				-121.555749 °	-121.555749 °
DWR ID	DWR_RD0150_03_s_2017_86				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Animal hole dug by most probably a fox.					

Photo 1 of 1 : SP_2017_RD0150_17_86_20170330_00144.jpg



View of multiple rodent holes on the landside of the levee looking downstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	3.66	Rating **	M	Issue No.	956
LM End	3.66	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.367213 °	38.367213 °
				-121.555273 °	-121.555273 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50202
DS_ID:22440
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 07/07/2016: Unable to locate evidence of major depression of WS slope. Only slight depression on WS slope above pump. Though this is an up-and-over pipe, no positive closure device found. Inlet in LS standpipe is capped with a board. If no longer in use, needs to be abandoned properly. Siphon breaker/vent on WS needs a cover. Wave-wash run-up along river bank characteristic of much of Elk Slough. Crossing has been downgraded from Urgent to Non-Urgent. (K. Fazel - UCIP)08/20/2013:Levee damage.Gate valve on WS not found. (P. Amatya - DWR)
FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 5.9 feet below the crown. Slant pump on the waterside (WS) slope. Vent/siphon breaker at the apex of the pipe on the WS. A concrete platform lies next to the pump on the WS. Concrete standpipe and service pole with meter at the landside (LS) toe. Property owner is Ken Pylman at 916-775-1066 [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 112, March 1957 (HLM 3.73)].
FS Date: 7/7/2016

LM Start	3.66	Rating **	M	Issue No.	956 (cont)
LM End	3.66	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_50202_35018.jpg



WS view: steel pipe and pump on levee slope.

Photo 2 of 3 : UCIP_SP_2017_50202_35021.jpg



WS view: steel pipe with safety valve (marked) on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	3.66	Rating **	M	Issue No.	956 (cont)
LM End	3.66	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.367213 °	38.367213 °
				-121.555273 °	-121.555273 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50202 DS_ID:22440 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/07/2016: Unable to locate evidence of major depression of WS slope. Only slight depression on WS slope above pump. Though this is an up-and-over pipe, no positive closure device found. Inlet in LS standpipe is capped with a board. If no longer in use, needs to be abandoned properly. Siphon breaker/vent on WS needs a cover. Wave-wash run-up along river bank characteristic of much of Elk Slough. Crossing has been downgraded from Urgent to Non-Urgent. (K. Fazel - UCIP)08/20/2013:Levee damage.Gate valve on WS not found. (P. Amatya - DWR) FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 5.9 feet below the crown. Slant pump on the waterside (WS) slope. Vent/siphon breaker at the apex of the pipe on the WS. A concrete platform lies next to the pump on the WS. Concrete standpipe and service pole with meter at the landside (LS) toe. Property owner is Ken Pylman at 916-775-1066 [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 112, March 1957 (HLM 3.73)]. FS Date: 7/7/2016					

Photo 3 of 3 : UCIP_SP_2017_50202_35017.jpg



WS view: soil erosion (depression) on levee slope.

LM Start	3.79	Rating **	M	Issue No.	116
LM End	3.79	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.367535 °	38.367535 °
				-121.552815 °	-121.552815 °
DWR ID	DWR_RD0150_03_f_2013_116				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_116_20170327_00082.jpg



View of slope instability on the waterside of the levee. Fall 2016

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	3.97	Rating **	M	Issue No.	91
LM End	7.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.369475 °	38.400705 °
				-121.551604 °	-121.536081 °
DWR ID	DWR_RD0150_03_s_2017_91				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.02	Rating **	M	Issue No.	93
LM End	4.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.370125 °	38.370125 °
				-121.552030 °	-121.552030 °
DWR ID	DWR_RD0150_03_s_2016_93				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion on the waterside toe of the levee.					

Photo 1 of 1 : SP_2017_RD0150_17_93_20170327_00072.jpg



An erosion was found on the waterside toe of the levee.

LM Start	4.38	Rating **	M	Issue No.	51
LM End	4.38	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.374269 °	38.374269 °
				-121.549385 °	-121.549385 °
DWR ID	DWR_RD0150_03_s_2012_51				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_51_20170327_00033.jpg



Updated picture of the pruning pile on the landside of the levee looking upstream during the fall 2013 inspection.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	4.49	Rating **	U	Issue No.	80
LM End	4.49	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.374355 °	38.374355 °
				-121.547436 °	-121.547436 °
DWR ID	DWR_RD0150_03_s_2014_80				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_80_20170327_00060.jpg



View of an erosion site on the waterside toe of the levee looking upstream.

LM Start	4.49	Rating **	M	Issue No.	94
LM End	4.49	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.374367 °	38.374367 °
				-121.547327 °	-121.547327 °
DWR ID	DWR_RD0150_03_s_2012_94				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_94_20170327_00073.jpg



View of landscape on the landside shoulder of the levee.

LM Start	4.55	Rating **	M	Issue No.	97
LM End	4.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.374554 °	38.374554 °
				-121.546245 °	-121.546245 °
DWR ID	DWR_RD0150_03_s_2017_97				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_97_20170330_00145.jpg



View of an erosion on the waterside of the levee looking upstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	4.63	Rating **	M	Issue No.	957
LM End	4.63	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.374934 °	38.374934 °
				-121.545029 °	-121.545029 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19281 DS_ID:22444 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - service pole on LS. 1" conduit on WS.- levee toe cut out on landside.- walkway and gate. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 3.8 feet below the crown. Pump on piling in the stream. Concrete standpipe at the landside (LS) toe. [Additional References: DWR Levee Log, 2005. USACE Sacramento O&M Manual 112, March 1957 (RM 4.71)] FS Date: 8/20/2013					

LM Start	4.63	Rating **	M	Issue No.	957 (cont)
LM End	4.63	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_19281_32541.jpg



WS view: vertical pump on deck.

Photo 2 of 3 : UCIP_SP_2017_19281_32540.jpg



WS view: 1-inch GI conduit (left) and steel pipe (right)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	4.63	Rating **	M	Issue No.	957 (cont)
LM End	4.63	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.374934 °	38.374934 °
				-121.545029 °	-121.545029 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19281 DS_ID:22444 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - service pole on LS. 1" conduit on WS.- levee toe cut out on landside.- walkway and gate. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 3.8 feet below the crown. Pump on piling in the stream. Concrete standpipe at the landside (LS) toe. [Additional References: DWR Levee Log, 2005. USACE Sacramento O&M Manual 112, March 1957 (RM 4.71)] FS Date: 8/20/2013					

Photo 3 of 3 : UCIP_SP_2017_19281_32539.jpg



WS view: safety valve on steel pipe.

LM Start	4.76	Rating **	M	Issue No.	100
LM End	4.76	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.376281 °	38.376281 °
				-121.543266 °	-121.543266 °
DWR ID	DWR_RD0150_03_s_2017_100				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	4.79	Rating **	M	Issue No.	101
LM End	4.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.376562 °	38.376562 °
				-121.543016 °	-121.543016 °
DWR ID	DWR_RD0150_03_s_2017_101				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_101_20170330_00146.jpg



View of an erosion on the waterside toe of the levee.

LM Start	4.81	Rating **	M	Issue No.	102
LM End	4.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.376845 °	38.376845 °
				-121.542663 °	-121.542663 °
DWR ID	DWR_RD0150_03_s_2017_102				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	4.87	Rating **	M	Issue No.	103
LM End	4.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.377378 °	38.377378 °
				-121.541913 °	-121.541913 °
DWR ID	DWR_RD0150_03_s_2017_103				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Old tree fell of at the waterside toe of the levee.					

Photo 1 of 1 : SP_2017_RD0150_17_103_20170330_00147.jpg



View of an erosion due to damaged tree root on the waterside toe of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	4.90	Rating **	M	Issue No.	958
LM End	4.90	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.377718 °	38.377718 °
				-121.541413 °	-121.541413 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19283 DS_ID:22445 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - seems abandoned.- may need proper abandonment FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation pipe through the levee, 7.2 feet below the crown. Gate valve on the landside (LS) end. [Additional References: DWR Levee Log, 2005. USACE Sacramento O&M Manual 112, March 1957 (RM 4.99)] FS Date: 8/23/2013					

Photo 1 of 3 : UCIP_SP_2017_19283_32565.jpg



WS view: steel pipe on levee slope and in the stream.

LM Start	4.90	Rating **	M	Issue No.	958 (cont)
LM End	4.90	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_19283_32564.jpg



LS view: abandoned pump set and concrete box on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	4.90	Rating **	M	Issue No.	958 (cont)	
LM End	4.90	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.377718 °		38.377718 °
				-121.541413 °		-121.541413 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:19283 DS_ID:22445 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - seems abandoned.- may need proper abandonment FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation pipe through the levee, 7.2 feet below the crown. Gate valve on the landside (LS) end. [Additional References: DWR Levee Log, 2005. USACE Sacramento O&M Manual 112, March 1957 (RM 4.99)] FS Date: 8/23/2013						

Photo 3 of 3 : UCIP_SP_2017_19283_32563.jpg



LS view: abandoned pump and gate valve on levee slope.

LM Start	4.91	Rating **	M	Issue No.	9
LM End	4.91	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.377761 °	38.377761 °
				-121.541319 °	-121.541319 °
DWR ID	DWR_RD0150_03_s_2012_9				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_9_20170327_00003.jpg



Equipment on the landside toe of the levee. The picture was taken from crown looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	4.99	Rating **	M	Issue No.	36
LM End	4.99	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.378771 °	38.378771 °
				-121.540538 °	-121.540538 °
DWR ID	DWR_RD0150_03_f_2012_36				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD0150_17_36_20170327_00023.jpg



Updated picture of the slope instability of the waterside shoulder of the levee during fall 2015 inspection.

LM Start	4.99	Rating **	M	Issue No.	36 (cont)
LM End	4.99	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2017_RD0150_17_36_20170327_00024.jpg



Slope instability was found on the waterside of the levee looking upstream.

LM Start	5.05	Rating **	M	Issue No.	81
LM End	5.05	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.379608 °	38.379608 °
				-121.540082 °	-121.540082 °
DWR ID	DWR_RD0150_03_f_2014_81				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_81_20170327_00061.jpg



View of erosion on the waterside of the levee looking downstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	5.05	Rating **	M	Issue No.	95
LM End	5.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.379617 °	38.379617 °
				-121.540058 °	-121.540058 °
DWR ID	DWR_RD0150_03_s_2016_95				
Comment Code					
PI : Pipe					
Inspector Comment					
Abandoned pipe was found on the landside slope of the levee.					

Photo 1 of 1 : SP_2017_RD0150_17_95_20170327_00074.jpg



View of an abandoned pipe on the landside slope of the levee.

LM Start	5.06	Rating **	A/W	Issue No.	959
LM End	5.06	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.379697 °	38.379697 °
				-121.540070 °	-121.540070 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:49386 DS_ID:22446 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 5/2014 Recordation from permit files 13736 match photos and approximate location of UCIP confirmed crossing.8/2013- a smaller pump on WS steel deck and was running.- seems 30-inch steel pipe goes through the levee.- GI electric conduit on WS and power pole on LS. FIELD_STRUCT_DESC: 30-inch steel drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterward end. Gate valve and pump on the landward toe. (R.D. 150) O&M Manual SAC 112, March 1957. 24-inch diameter discharge pipe installed in 2003 under Permit No. 13736. Recordation from permit files match photos and approximate location of UCIP confirmed crossing. FS Date: 8/23/2013					

Photo 1 of 3 : UCIP_SP_2017_49386_63902.jpg



WS view: pipe, steel deck, pressure tank, electric control box on stream bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	5.09	Rating **	M	Issue No.	48
LM End	5.09	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.380110 °	38.380110 °
				-121.540061 °	-121.540061 °
DWR ID	DWR_RD0150_03_f_2015_48				
Comment Code					
ST : Stairway					
Inspector Comment					
Unpermitted stairway.					

Photo 1 of 1 : SP_2017_RD0150_17_48_20170327_00030.jpg



View of a stairway on the waterside of the levee.

LM Start	5.14	Rating **	M	Issue No.	941
LM End	5.14	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.380779 °	38.380779 °
				-121.540264 °	-121.540264 °
DWR ID	DWR_RD0150_03_s_2012_941				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
There is a significant difference in the crown roadway elevation as it transitions from the paved roadway to the gravel access road.					

Photo 1 of 1 : SP_2017_RD0150_17_941_20170327_00090.jpg



View of varying elevations in the crown of the levee at the transition from county road to access road.

LM Start	5.15	Rating **	M	Issue No.	72
LM End	5.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.380940 °	38.380940 °
				-121.540384 °	-121.540384 °
DWR ID	DWR_RD0150_03_f_2016_72				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree stump and broken tree was found on the waterside toe.					

Photo 1 of 1 : SP_2017_RD0150_17_72_20170327_00052.jpg

View of tree stump and broken tree on the waterside toe of the levee.
Fall 2016

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	5.32	Rating **	M	Issue No.	96
LM End	5.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.381843 °	38.381843 °
				-121.543117 °	-121.543117 °
DWR ID	DWR_RD0150_03_s_2016_96				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Broken tree/root damaged levee slope.					

Photo 1 of 1 : SP_2017_RD0150_17_96_20170327_00075.jpg



Broken tree roots and tree trunks were found on the waterside toe of the levee.

LM Start	5.49	Rating **	N	Issue No.	74
LM End	5.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.383051 °	38.383051 °
				-121.545735 °	-121.545735 °
DWR ID	DWR_RD0150_03_f_2016_74				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Tree stump and broken tree was found on the waterside shoulder of the levee.					

Photo 1 of 1 : SP_2017_RD0150_17_74_20170327_00054.jpg



View of tree trunks on the waterside shoulder of the levee. Fall 2016

LM Start	5.51	Rating **	M	Issue No.	12
LM End	5.51	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.383328 °	38.383328 °
				-121.545825 °	-121.545825 °
DWR ID	DWR_RD0150_03_s_2012_12				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD0150_17_12_20170327_00005.jpg



Prunings were found on the landside of the levee looking upstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	5.51	Rating **	M	Issue No.	12 (cont)	
LM End	5.51	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.383328 °		38.383328 °
				-121.545825 °		-121.545825 °
DWR ID	DWR_RD0150_03_s_2012_12					
Comment Code						
PR : Prunings						
Inspector Comment						

Photo 2 of 2 : SP_2017_RD0150_17_12_20170327_00006.jpg



Updated picture of pruning pile on the landside toe of the levee looking upstream during the fall 2013 inspection.

LM Start	5.56	Rating **	N	Issue No.	68
LM End	5.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.383697 °	38.383697 °
				-121.545201 °	-121.545201 °
DWR ID	DWR_RD0150_03_s_2012_68				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_68_20170327_00050.jpg



Tree stump was found on the waterside of the levee looking upstream.

LM Start	5.69	Rating **	N	Issue No.	41
LM End	5.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.383969 °	38.383969 °
				-121.542806 °	-121.542806 °
DWR ID	DWR_RD0150_03_s_2012_41				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	5.70	Rating **	M	Issue No.	960
LM End	5.70	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.383996 °	38.383996 °
				-121.542638 °	-121.542638 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:28265					
DS_ID:22448					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - levee toe cut out at open end of the pipe.- service pole and control box on river bank.					
FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 7.8 feet below crown. Pump and gate valve on steel platform. Cross fence, wire drag gate. (Permit No. 1167, D. Conner) O&M Manual SAC 112, March 1957.					
FS Date: 8/23/2013					

Photo 1 of 3 : UCIP_SP_2017_28265_51974.jpg



WS view: walkway, pipe, pump and support deck on river bank.

LM Start	5.70	Rating **	M	Issue No.	960 (cont)
LM End	5.70	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_28265_51973.jpg



WS view: electric control box and power pole.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0150 Merrit Island

View of a rodent hole on the landside toe of the levee.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	5.78	Rating **	M	Issue No.	28
LM End	5.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.384333 °	38.384333 °
				-121.541310 °	-121.541310 °
DWR ID	DWR_RD0150_03_s_2012_28				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_28_20170327_00015.jpg



Wild growth was found on the waterside slope of the levee looking upstream.

LM Start	5.79	Rating **	M	Issue No.	56
LM End	5.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.384363 °	38.384796 °
				-121.541161 °	-121.540525 °
DWR ID	DWR_RD0150_03_s_2012_56				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_56_20170327_00037.jpg



View of fence around a horse pen along the shoulder of the levee and the landward slope.

LM Start	5.82	Rating **	M	Issue No.	57
LM End	5.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.384648 °	38.384648 °
				-121.540669 °	-121.540669 °
DWR ID	DWR_RD0150_03_s_2012_57				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_57_20170327_00038.jpg



View of a tree trunk lying on the landward slope blocking visibility.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	5.83	Rating **	U	Issue No.	58
LM End	5.83	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.384803 °	38.384803 °
				-121.540545 °	-121.540545 °
DWR ID	DWR_RD0150_03_s_2012_58				
Comment Code					
BU : Building					
Inspector Comment					
Permit 7517-A covers this area, but more research is needed.					

Photo 1 of 1 : SP_2017_RD0150_17_58_20170327_00039.jpg



Building & associated landscaping on levee crown.

LM Start	5.91	Rating **	M	Issue No.	21	
LM End	5.98	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.385752 °		38.386703 °
				-121.539905 °		-121.540042 °
DWR ID	DWR_RD0150_03_s_2012_21					
Comment Code						
V6 : Landscaping						
Inspector Comment						

Photo 1 of 1 : SP_2017_RD0150_17_21_20170327_00011.jpg



Landscaping was found on the landside of the levee looking upstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	5.95	Rating **	M	Issue No.	961
LM End	5.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.386402 °	38.386402 °
				-121.539834 °	-121.539834 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19403					
DS_ID:22451					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - pipe ends open on both sides of the levee.- abandoned concrete box on WS.- two abandoned steel pipes (6" and 1") also found on WS. - needs proper abandonment					
FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel pipe through the levee, 2.5 feet below the crown. Power pole on the landward slope. (W. Bogle). O&M Manual SAC 112, March 1957.					
FS Date: 8/23/2013					

LM Start	5.95	Rating **	M	Issue No.	961 (cont)
LM End	5.95	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_19403_32942.jpg



WS view: open ended 6" steel pipe (top-left), 1" steel pipe (bottom), and another 6" steel pipe (right) on levee slope.

Photo 2 of 3 : UCIP_SP_2017_19403_32941.jpg



WS view: Abandoned concrete box (top). Open ended 6" steel pipe, 1" steel pipe, and another 6" steel pipe on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	5.95	Rating **	M	Issue No.	961 (cont)	
LM End	5.95	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.386402 °	38.386402 °	
				-121.539834 °	-121.539834 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:19403						
DS_ID:22451						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - pipe ends open on both sides of the levee.-						
abandoned concrete box on WS.- two abandoned steel pipes (6" and						
1") also found on WS. - needs proper abandonment						
FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel pipe through the						
levee, 2.5 feet below the crown. Power pole on the landward slope. (W.						
Bogle). O&M Manual SAC 112, March 1957.						
FS Date: 8/23/2013						

Photo 3 of 3 : UCIP_SP_2017_19403_32943.jpg



LS view: open end steel pipe on levee toe.

LM Start	6.02	Rating **	M	Issue No.	44
LM End	6.02	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.387215 °	38.387215 °
				-121.540563 °	-121.540563 °
DWR ID	DWR_RD0150_03_s_2012_44				
Comment Code					
AV : Abandoned vehicles					
Inspector Comment					
It appeared to be an abandoned dock.					

Photo 1 of 1 : SP_2017_RD0150_17_44_20170327_00028.jpg



An abandoned dock was found on the waterside of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	6.03	Rating **	M	Issue No.	23
LM End	6.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.387348 °	38.387348 °
				-121.540577 °	-121.540577 °
DWR ID	DWR_RD0150_03_s_2012_23				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

LM Start	6.13	Rating **	U	Issue No.	24
LM End	6.20	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.388535 °	38.389391 °
				-121.541657 °	-121.541901 °
DWR ID	DWR_RD0150_03_s_2012_24				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_24_20170327_00012.jpg



Oleander on landward slope blocking view of levee.

LM Start	6.23	Rating **	N	Issue No.	49
LM End	6.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.389658 °	38.389658 °
				-121.541518 °	-121.541518 °
DWR ID	DWR_RD0150_03_s_2012_49				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_49_20170327_00031.jpg



View of tree stumps on the waterward slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	6.23	Rating **	M	Issue No.	25
LM End	6.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.389700 °	38.389808 °
				-121.541462 °	-121.541285 °
DWR ID	DWR_RD0150_03_s_2012_25				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

LM Start	6.25	Rating **	M	Issue No.	99
LM End	6.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.389857 °	38.389857 °
				-121.541193 °	-121.541193 °
DWR ID	DWR_RD0150_03_s_2016_99				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Newly planted tree on the landside slope of the levee.					

Photo 1 of 1 : SP_2017_RD0150_17_99_20170327_00077.jpg



View of newly planted tree on the landside slope of the levee.

LM Start	6.25	Rating **	U	Issue No.	26
LM End	6.29	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.389858 °	38.390115 °
				-121.541155 °	-121.540657 °
DWR ID	DWR_RD0150_03_s_2012_26				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_26_20170327_00013.jpg



Landscaping on landward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	6.26	Rating **	M	Issue No.	105
LM End	6.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.389935 °	38.389935 °
				-121.541065 °	-121.541065 °
DWR ID	DWR_RD0150_03_s_2017_105				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Cracks and depression on the waterside shoulder.					

Photo 1 of 1 : SP_2017_RD0150_17_105_20170330_00149.jpg



View of depression and cracks on the waterside shoulder of the levee.

LM Start	6.45	Rating **	M	Issue No.	60
LM End	6.45	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.391616 °	38.391616 °
				-121.538378 °	-121.538378 °
DWR ID	DWR_RD0150_03_s_2012_60				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_60_20170327_00041.jpg



View of landscaping along the landward slope.

LM Start	6.47	Rating **	M	Issue No.	106
LM End	6.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.391859 °	38.391859 °
				-121.538190 °	-121.538190 °
DWR ID	DWR_RD0150_03_s_2017_106				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_106_20170330_00150.jpg



View of an erosion on the waterside toe of the levee.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	6.49	Rating **	M	Issue No.	43
LM End	6.49	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.392172 °	38.392172 °
				-121.538065 °	-121.538065 °
DWR ID	DWR_RD0150_03_f_2012_43				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_43_20170327_00027.jpg



Slope instability was found on the waterside of the levee looking downstream.

LM Start	6.52	Rating **	M	Issue No.	83
LM End	6.52	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.392580 °	38.392580 °
				-121.538059 °	-121.538059 °
DWR ID	DWR_RD0150_03_f_2014_83				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_83_20170327_00063.jpg



Prunings were found on the landside toe of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	6.63	Rating **	M	Issue No.	962
LM End	6.63	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.394182 °	38.394182 °
				-121.538609 °	-121.538609 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42692					
DS_ID:22457					
EP_NO: 14650					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Appears abandoned and if so should be done so properly.					
FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 5 feet below the crown. Concrete distribution box on landside levee toe. Diesel powered slant pump on water side. (Permit No. 14650 - Webber)					
FS Date: 8/23/2013					

LM Start	6.63	Rating **	M	Issue No.	962 (cont)
LM End	6.63	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_42692_35082.jpg



WS view: steel pipe (right) and diesel pump on levee slope.

Photo 2 of 3 : UCIP_SP_2017_42692_35081.jpg



WS view: diesel pump on steep levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	6.63	Rating **	M	Issue No.	962 (cont)	
LM End	6.63	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.394182 °	38.394182 °	
				-121.538609 °	-121.538609 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:42692						
DS_ID:22457						
EP_NO: 14650						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Appears abandoned and if so should be done so properly.						
FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 5 feet below the crown. Concrete distribution box on landside levee toe.						
Diesel powered slant pump on water side. (Permit No. 14650 - Webber)						
FS Date: 8/23/2013						

Photo 3 of 3 : UCIP_SP_2017_42692_35080.jpg



WS view: air vent on steel pipe.

LM Start	6.75	Rating **	U	Issue No.	30
LM End	6.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.395670 °	38.396027 °
				-121.537925 °	-121.536575 °
DWR ID	DWR_RD0150_03_s_2012_30				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_30_20170327_00016.jpg



Landscaping on landward slope blocking view from LM 6.87 to 6.95

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	6.80	Rating **	M	Issue No.	107
LM End	6.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.395893 °	38.395893 °
				-121.537041 °	-121.537041 °
DWR ID	DWR_RD0150_03_s_2017_107				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_107_20170330_00151.jpg



View of an erosion on the waterside slope of the levee.

LM Start	6.82	Rating **	M	Issue No.	13
LM End	6.93	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.395998 °	38.395470 °
				-121.536613 °	°
DWR ID	DWR_RD0150_03_s_2012_13				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_13_20170327_00007.jpg



Fence was found on the landside of the levee looking downstream.

LM Start	6.85	Rating **	U	Issue No.	933
LM End	6.93	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.396187 °	38.396989 °
				-121.536180 °	-121.535151 °
DWR ID	DWR_RD0150_03_s_2012_933				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landscaping has been maintained better, but some obstructions still exist.					

Photo 1 of 1 : SP_2017_RD0150_17_933_20170327_00085.jpg



View of the landscape on the landside shoulder of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	6.90	Rating **	M	Issue No.	61
LM End	6.90	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.396655 °	38.396655 °
				-121.535485 °	-121.535485 °
DWR ID	DWR_RD0150_03_s_2012_61				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD0150_17_61_20170327_00042.jpg



Updated picture of the erosion on the waterside of the levee during spring 2015 inspection.

LM Start	6.90	Rating **	M	Issue No.	61 (cont)
LM End	6.90	Issue Type +	Ob	Location *	WS

Photo 2 of 2 : SP_2017_RD0150_17_61_20170327_00043.jpg



Erosion was found on the waterside slope of the levee looking downstream. This updated picture was taken during fall 2012 inspection.

LM Start	6.91	Rating **	C	Issue No.	79
LM End	6.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.396698 °	38.396698 °
				-121.535406 °	-121.535406 °
DWR ID	DWR_RD0150_03_f_2012_79				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	6.93	Rating **	M	Issue No.	31
LM End	6.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.397021 °	38.397540 °
				-121.535151 °	-121.535183 °
DWR ID	DWR_RD0150_03_s_2012_31				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_31_20170327_00017.jpg



Landscaping was found on the landside shoulder of the levee looking upstream.

LM Start	7.19	Rating **	M	Issue No.	109
LM End	7.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.400705 °	38.401639 °
				-121.536081 °	-121.537052 °
DWR ID	DWR_RD0150_03_s_2017_109				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.19	Rating **	M	Issue No.	108
LM End	7.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.400705 °	38.401640 °
				-121.536081 °	-121.537052 °
DWR ID	DWR_RD0150_03_s_2017_108				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	7.26	Rating **	U	Issue No.	64
LM End	7.26	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.401481 °	38.401481 °
				-121.536876 °	-121.536876 °
DWR ID	DWR_RD0150_03_s_2012_64				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_64_20170327_00045.jpg



Landscaping on the waterside of the levee. The picture was taken from the crown looking upstream.

LM Start	7.29	Rating **	U	Issue No.	32
LM End	7.34	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.401738 °	38.402296 °
				-121.537127 °	-121.537678 °
DWR ID	DWR_RD0150_03_s_2012_32				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD0150_17_32_20170327_00018.jpg



Vegetation on the landside of the levee looking upstream. This picture was taken during spring 2012 inspection.

LM Start	7.29	Rating **	U	Issue No.	32 (cont)
LM End	7.34	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2017_RD0150_17_32_20170327_00019.jpg



Landscaping on landward slope blocking view from LM 7.42 to 7.47

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	7.38	Rating **	N	Issue No.	63
LM End	7.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.402779 °	38.402779 °
				-121.538197 °	-121.538197 °
DWR ID	DWR_RD0150_03_s_2012_63				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_63_20170327_00044.jpg



View of a tree stump on the landward slope.

LM Start	7.40	Rating **	M	Issue No.	84
LM End	7.40	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.403047 °	38.403047 °
				-121.538433 °	-121.538433 °
DWR ID	DWR_RD0150_03_s_2012_84				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_84_20170327_00064.jpg



Landscaping was found on the landside shoulder of the levee looking upstream.

LM Start	7.44	Rating **	U	Issue No.	934
LM End	7.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.403566 °	38.403566 °
				-121.538886 °	-121.538886 °
DWR ID	DWR_RD0150_03_s_2012_934				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_934_20170327_00086.jpg



Landscaping was blocking the visibility on the landside of the levee looking downstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	7.45	Rating **	M	Issue No.	110
LM End	9.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.403637 °	38.413112 °
				-121.538980 °	-121.523784 °
DWR ID	DWR_RD0150_03_s_2017_110				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.45	Rating **	M	Issue No.	111
LM End	9.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.403636 °	38.413111 °
				-121.538997 °	-121.523782 °
DWR ID	DWR_RD0150_03_s_2017_111				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.47	Rating **	M	Issue No.	935
LM End	7.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.403795 °	38.403795 °
				-121.539205 °	-121.539205 °
DWR ID	DWR_RD0150_03_s_2012_935				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD0150_17_935_20170327_00087.jpg



Prunings were found on the landside of the levee looking upstream.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	7.47	Rating **	M	Issue No.	935 (cont)	
LM End	7.47	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.403795 °	38.403795 °	
				-121.539205 °	-121.539205 °	
DWR ID	DWR_RD0150_03_s_2012_935					
Comment Code						
PR : Prunings						
Inspector Comment						

Photo 2 of 2 : SP_2017_RD0150_17_935_20170327_00088.jpg



Prunings were found on the landside of the levee looking upstream. This picture was taken during fall 2011 inspection.

LM Start	7.68	Rating **	M	Issue No.	16
LM End	7.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.405342 °	38.405342 °
				-121.542553 °	-121.542553 °
DWR ID	DWR_RD0150_03_s_2012_16				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_16_20170327_00008.jpg



Equipment and buiding was found on the landside of the levee looking upstream.

LM Start	7.70	Rating **	M	Issue No.	52
LM End	7.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.405536 °	38.405536 °
				-121.542752 °	-121.542752 °
DWR ID	DWR_RD0150_03_f_2015_52				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree trunks and stumps might damage the levee toe during high water.					

Photo 1 of 1 : SP_2017_RD0150_17_52_20170327_00034.jpg



View of the tree trunk on the waterside toe of the levee.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	7.73	Rating **	M	Issue No.	112
LM End	7.73	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.405949 °	38.405949 °
				-121.542996 °	-121.542996 °
DWR ID	DWR_RD0150_03_s_2017_112				
Comment Code					
FW : Firewood					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_112_20170330_00152.jpg



View of firewoods on the waterside shoulder of the levee looking upstream.

LM Start	7.74	Rating **	M	Issue No.	396
LM End	7.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.406098 °	38.406098 °
				-121.543028 °	-121.543028 °
DWR ID	DWR_RD0150_03_s_2015_396				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Slope instability caused by a tree.					

Photo 1 of 1 : SP_2017_RD0150_17_396_20170327_00084.jpg



Slope instability was found on the waterside toe of the levee looking upstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	7.78	Rating **	M	Issue No.	117
LM End	7.78	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.406645 °	38.406645 °
				-121.542835 °	-121.542835 °
DWR ID	DWR_RD0150_03_s_2017_117				
Comment Code					
FW : Firewood					
Inspector Comment					

No Photos

LM Start	7.91	Rating **	M	Issue No.	87
LM End	7.91	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.408342 °	38.408342 °
				-121.541580 °	-121.541580 °
DWR ID	DWR_RD0150_03_s_2012_87				
Comment Code					
MA : Material					
Inspector Comment					
A concrete or anchor block was found on the slope of the levee.					

Photo 1 of 1 : SP_2017_RD0150_17_87_20170327_00066.jpg



A concrete block was found on the waterside of the levee looking upstream.

LM Start	8.02	Rating **	M	Issue No.	92
LM End	8.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.409130 °	38.409130 °
				-121.539971 °	-121.539971 °
DWR ID	DWR_RD0150_03_s_2014_92				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD0150_17_92_20170327_00070.jpg



Updated picture of the slope instability on the waterside of the levee looking upstream during spring 2015 inspection.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	8.02	Rating **	M	Issue No.	92 (cont)	
LM End	8.02	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.409130 °		38.409130 °
				-121.539971 °		-121.539971 °
DWR ID	DWR_RD0150_03_s_2014_92					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						

Photo 2 of 2 : SP_2017_RD0150_17_92_20170327_00071.jpg



A slope instability was found on the waterside of the levee looking downstream.

LM Start	8.05	Rating **	M	Issue No.	82
LM End	8.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409224 °	38.409224 °
				-121.539350 °	-121.539350 °
DWR ID	DWR_RD0150_03_f_2013_82				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_82_20170327_00062.jpg



Prunings were found on the landside toe of the levee looking upstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	8.20	Rating **	U	Issue No.	963	
LM End	8.20	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.408619 °	38.408619 °	
				-121.536768 °	-121.536768 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50670						
DS_ID:22466						
EP_NO: N/A						
Repair Type: Urgent						
Crossing Status: Found						
UCIP Comments: 07/08/2016: Needs proper abandonment. Levee caved in below pipe at gate valve on WS. Discussed abandonment with Warren Bogle of Colby Ranch. (K. Fazel - UCIP)08/23/2013: Needs proper abandonment (P. Amatya - DWR)						
FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation pipe through the levee, 13.8 feet below the crown. Gate valve on the waterside (WS) slope. Pilings in water but no pump found. Service pole with guy wire on the landside (LS) slope. Standpipe on LS slope.						
[Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 112, March 1957 (HLM 8.34)].						
FS Date: 7/7/2016						

LM Start	8.20	Rating **	U	Issue No.	963 (cont)
LM End	8.20	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_50670_33627.jpg



WS view: pipe visible on levee slope and in the stream.

Photo 2 of 3 : UCIP_SP_2017_50670_33626.jpg



WS view: abandoned gate valve found on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	8.20	Rating **	U	Issue No.	963 (cont)
LM End	8.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.408619 °	38.408619 °
				-121.536768 °	-121.536768 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50670 DS_ID:22466 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/08/2016: Needs proper abandonment. Levee caved in below pipe at gate valve on WS. Discussed abandonment with Warren Bogle of Colby Ranch. (K. Fazel - UCIP)08/23/2013: Needs proper abandonment (P. Amatya - DWR) FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation pipe through the levee, 13.8 feet below the crown. Gate valve on the waterside (WS) slope. Pilings in water but no pump found. Service pole with guy wire on the landside (LS) slope. Standpipe on LS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 112, March 1957 (HLM 8.34)]. FS Date: 7/7/2016					

Photo 3 of 3 : UCIP_SP_2017_50670_33625.jpg



LS view: no pipe and structure found on landside.

LM Start	8.26	Rating **	M	Issue No.	65
LM End	8.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.408213 °	38.408213 °
				-121.535911 °	-121.535911 °
DWR ID	DWR_RD0150_03_f_2015_65				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_65_20170327_00046.jpg



View of erosion on the waterside of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	8.31	Rating **	M	Issue No.	66
LM End	8.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.407960 °	38.407960 °
				-121.534898 °	-121.534898 °
DWR ID	DWR_RD0150_03_s_2012_66				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_66_20170327_00047.jpg



Updated picture of the erosion on the waterside of the levee.

LM Start	8.33	Rating **	M	Issue No.	67
LM End	8.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.407958 °	38.407958 °
				-121.534583 °	-121.534583 °
DWR ID	DWR_RD0150_03_s_2012_67				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD0150_17_67_20170327_00048.jpg



Updated picture of the erosion on the waterside shoulder looking upstream during spring 2014 inspection.

LM Start	8.33	Rating **	M	Issue No.	67 (cont)
LM End	8.33	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2017_RD0150_17_67_20170327_00049.jpg



Erosion was found on the waterside shoulder of the levee looking upstream. This picture was taken during fall 2012 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	8.37	Rating **	M	Issue No.	88
LM End	8.37	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.408155 °	38.408155 °
				-121.533982 °	-121.533982 °
DWR ID	DWR_RD0150_03_s_2012_88				
Comment Code					
PO : Pole					
Inspector Comment					

No Photos

LM Start	8.37	Rating **	U	Issue No.	89
LM End	8.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.408153 °	38.408153 °
				-121.533980 °	-121.533980 °
DWR ID	DWR_RD0150_03_s_2012_89				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD0150_17_89_20170327_00067.jpg



Updated picture of a rodent hole on the waterside shoulder of the levee during spring 2015 inspection.

LM Start	8.37	Rating **	U	Issue No.	89 (cont)
LM End	8.37	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2017_RD0150_17_89_20170327_00068.jpg



Updated picture of a rodent hole on the waterside shoulder of the levee during fall 2014 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	8.37	Rating **	M	Issue No.	964
LM End	8.37	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.408188 °	38.408188 °
				-121.533935 °	-121.533935 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41648					
DS_ID:22467					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - walkway in poor functional condition- an abandoned 8-inch steel pipe next to 12" pipe. This 8" pipe might have merged with 12" pipe under the levee .- Pipe and pump inside concrete masonry wall.					
FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 13.0 feet below the crown, pump and gate valve in pump house on the waterward slope. Concrete distribution box at the landward toe. Service pole on the waterward shoulder. O&M Manual SAC 112, March 1957.					
FS Date: 8/23/2013					

Photo 1 of 3 : UCIP_SP_2017_41648_33642.jpg



WS view: walkway and inlet pipe on levee slope.

LM Start	8.37	Rating **	M	Issue No.	964 (cont)
LM End	8.37	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_41648_33641.jpg



WS view: pump, gate valve, and airvent on pipe inside concrete masonry box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	8.37	Rating **	M	Issue No.	964 (cont)
LM End	8.37	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.408188 °	38.408188 °
				-121.533935 °	-121.533935 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41648					
DS_ID:22467					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - walkway in poor functional condition- an abandoned 8-inch steel pipe next to 12" pipe. This 8" pipe might have merged with 12" pipe under the levee .- Pipe and pump inside concrete masonry wall.					
FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 13.0 feet below the crown, pump and gate valve in pump house on the waterward slope. Concrete distribution box at the landward toe. Service pole on the waterward shoulder. O&M Manual SAC 112, March 1957.					
FS Date: 8/23/2013					

Photo 3 of 3 : UCIP_SP_2017_41648_33640.jpg



WS view: 8-inch steel pipe (right) next to 12" pipe (left). This 8" pipe might have merged with 12" pipe under the levee .

LM Start	8.38	Rating **	M	Issue No.	69
LM End	8.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.408238 °	38.409291 °
				-121.533866 °	-121.532702 °
DWR ID	DWR_RD0150_03_s_2012_69				
Comment Code					
DT : Ditch					
Inspector Comment					
Irrigation ditch in landside toe					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	8.46	Rating **	N	Issue No.	90
LM End	8.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.409220 °	38.409220 °
				-121.532801 °	-121.532801 °
DWR ID	DWR_RD0150_03_s_2012_90				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_90_20170327_00069.jpg



A tree stump was found on the landside of the levee looking upstream.

LM Start	8.50	Rating **	N	Issue No.	55
LM End	8.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.409559 °	38.409559 °
				-121.532356 °	-121.532356 °
DWR ID	DWR_RD0150_03_s_2012_55				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_55_20170327_00036.jpg



A tree stump was found on the waterside of the levee looking upstream.

LM Start	8.72	Rating **	M	Issue No.	7
LM End	8.72	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.411593 °	38.411593 °
				-121.529143 °	-121.529143 °
DWR ID	DWR_RD0150_03_s_2012_7				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_7_20170327_00002.jpg



Broken concrete pipe was left on the waterside slope of the levee. The picture was taken from the crown looking upstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	9.21	Rating **	N	Issue No.	59
LM End	9.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.413268 °	38.413268 °
				-121.525929 °	-121.525929 °
DWR ID	DWR_RD0150_03_s_2012_59				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_59_20170327_00040.jpg



A tree stump was found on the waterside of the levee looking upstream.

LM Start	9.35	Rating **	U	Issue No.	73
LM End	9.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.413169 °	38.413169 °
				-121.523707 °	-121.523707 °
DWR ID	DWR_RD0150_03_s_2012_73				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_73_20170327_00053.jpg



Thin/trim trees to allow for visibility of top 20' of waterward slope.

LM Start	9.39	Rating **	M	Issue No.	950
LM End	9.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.413560 °	38.413560 °
				-121.522936 °	-121.522936 °
DWR ID	DWR_RD0150_03_s_2012_950				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0150_17_950_20170327_00091.jpg



Equipment was found on the landside of the levee looking downstream.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement